ANTELOPE VALLEY COLLEGE

Certificate/AS-Computer Networking (Multi-Platform) 21-22

Recommended Program Sequence

All courses with a + sign indicate a prerequisite or co-requisite

GP Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended) Units Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended) Unit CA 107, Microcomputer Hardware & Software Support (Core 3 CA 176, Windows Server Networking (Core) 3 3 3 CA 151, Microcomputer Operating Systems (Core) CA 157, Intro. To LINUX General Education Area D1 (English 101+) 3 CA 182, Network Security (Core) 3 General Education Area E #HD 101 3 3 General Education Area A (Science) #BIOL 104 General Elective #BIP 110 and 120 and 130 (all in one term) 3 # Recommended 15 Total 12 Term 5 (Fall/Spring: Max. 19 units, 12-15 u. recommended) Unit Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended) Units CA 171, Intro. to Networking (Core) 3 CA 159, SUSE Linux Server Administration (not in 2-year schedule) 3 CA 175, Administering Windows Server 3 **Program Elective #CA 131** 3 General Education Area D2 #MATH 102 or Higher 4 General Education Area F (Diversity Studies) #BUS 212 3 General Elective General Elective #CA 183 13 12 Total Total Transfer or Graduate Term 3 (Summer: Max. 15 units, 12 units recommended) Units **Program Elective #CA 103** 3 General Education Area B (Social Science) #POLS 101 3 General Education C (Humanities) #MUSC 102 9 Total

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any

	ine Cou	nseling is available: https://www.avc.edu/studentservices/counseling
Certificate/Major Required Courses:		AS General Education: At least 3 units from each of the following areas
CA 107, Microcomputer Hardware & Software Support (Core)	3	below: A, B, C, D1, D2, E, and F. Minimum Total GE Units Required 21
CA 151, Microcomputer Operating Systems (Core)	3	Area A Natural Sciences: (min. 3 units)
CA 171, Intro. to Networking (Core)	3	ANTH 101, 101L
CA 175, Administering Windows Server (Core)	3	ASTR 101+, 101L+
CA 176, Windows Server Networking (Core)	3	BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+,
CA 182, Network Security (Core)	3	CHEM 101+, 102+, 110+
CA 157, Intro. To LINUX	3	ELTE 101
CA 159, SUSE Linux Server Administration	3	ERSC 101+
Program Electives (Multi-Platform ONLY, see below)	6	GEOG 101+, 101L+, 102, 102L+
Total Minimum Units Required for Certificate/Major	r 30	GEOL 101+, 101L+, 102+, 102L+
Program Electives: Complete 6 units from the following	g:	PHYS 101, 102+, 110+, 120+, 211+
CA 103, Introduction to Computers & Digital Technology	3	PSCI 101
CA 131, Relational Database Management & Design	3	Area B Social & Behavioral Sciences: (min. 3 units)
CA 132, Oracle SQL Database Management	3	AJ 201, 204, 206
CA 153, Windows Installation & System Support	3	ANTH 102, 103, 112, 140
CA 183, Security Countermeasures	3	BUS 101
other requirements for degree		CFE 102
General Education	21-27	COMM 217+
Proficiency (See Proficiency Requirements)	*	DFST 105
Electives	3-9	ECON 100, 101+, 102+, 110
Minimum Units Required for AS Degree	e 60	GEOG 105, 106, 110
Other Requirements:		HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116+, 118, 119
Minimum grade of "C" required on each course		POLS 101, 103, 200, 201+, 202+, 203+
Maximum of 6 pass/no-pass units accepted for the Certificate		PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
 Maximum of 12 pass/no-pass units accepted for the Degree 		SOC 101, 105, 110, 111, 112, 115, 116, 120
• Minimum of 9 units must be completed at AVC for the major/certificate		Area C Humanities: (min. 3 units)
Refer to catalog or online website for course listings and descript		ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140,
Substitutions, with prior permission, may be made for certain courses		145, 150, 163+, 170+, 210+, 213+
not be offered in a two-year period		CHIN 101, 102+, 201+, 202+
		COMM 103, 112, 114, 214+
		DA 101
		DFST 101, 102+, 105, 106, 201+, 202+
		ENGL 102, 111+, 112+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 242+,
		253+, 256+, 257+, 259+, 265+, 279
		FREN 101, 102+, 201+, 202+, 203+
		FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
		GER 101, 102+, 201+, 202+
		HIST 115
		ID 150, 201 (ID courses no longer offered 20-21)
		LATN 101, 102+, 201+
		LATIN 101, 102^{+} , 201^{+}

251B+, 253A+, 253B+

MUS 101, 105, 111, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+,

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MUSC 102, 103, 107,108 PHIL 105, 106, 108, 109 PHOT 107 PHTC 101, 150+, 201+

SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+

THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+, 118A+, 118B+, 121A, 121B, 130, 133, 225+, 239

Area D Language & Rationality: (min. 3 units from (1) and 3 units from

1. Academic Composition: Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.

ENGL 101+

2. Communication and Analytical Thinking

BUS 113+

CA 103

CIS 101, 111, 141, 157, 161

COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+

ENGL 102+, 103+

GEOG 201, 205

 $MATH\ 102+,\ 110+,\ 115+,\ 116+,\ 120+,\ 124+,\ 128+,\ 135+,\ 140+,$

148+, 150+, 160+, 220+, 230+, 250+

PHIL 101, 106, 110, 201+

Area E - Additional Breadth: (min. 3 units)

From areas A**, B**, C**, D2,** or

CFE 102 NF 100, 102, 103, 110, 150

COMM 103, 107, 219+ PSY 212 DFST 105 SOC 111, 116

HD 100, 101, 102, 103, 105

HE 101, 120, 201

ID 100, 120 (ID courses no longer offered 20-21)

KINT 100 LIB 107, 110 MUSC 108

Any DA activity course(s) from DA102-205, except DA 107A-C, 108, 109, and 111. Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH) activity course, or up to 4 units for military experience.

** Courses must be taken from a discipline not previously selected.

Area F Diversity Studies: (min. 3 units) ANTH 102, 112 FTV 201, 203 BUS 212 HE 201+ CFE 116+ HIST 110, 111, 113 COMM 114, 217+, 219+ MUSC 107, 108 DFST 105, 106 POLS 202+ ECON 110 SOC 105, 110, 116 ENGL 250+, 253+, 256+, 257+, 259+ THA 239

Proficiency Requirements

Proficiency requirements exist for the areas of Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. WRITING

Completion of ENGL 101 with a minimum grade of "C." NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

B. MATHEMATICS

Completion of MATH 102 or higher or CIS 121 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

*Fulfilling proficiencies will not require any extra units if the competencies are demonstrated by including the required courses in the general education, or major requirements, or by satisfying the reading proficiency through AVC's policy.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of a course description can be used as an elective.

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Double Counting: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may. be used to satisfy both a general education requirement and a major or area of emphasis requirement.

• Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000:http://ccr.oal.ca.gov

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The "Catalog Rights Policy" sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program.

Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated co-requisite.