2019-2020
Catalog Addendum

Antelope Valley Community College District

(661) 722-6300 • www.avc.edu

Antelope Valley College

3041 West Avenue K • Lancaster, CA 93536

Palmdale Center

1529 East Palmdale Boulevard • Palmdale, CA 93550

Updates to Courses and Programs

ART 121 DIGITAL ART AND DRAWING

ART 163 PAINTING II
Prerequisite: Completion of ART 113

ENGL 256 LATINX LITERATURE

IMTA 110 INDUSTRIAL MANUFACTURING TECHNICIAN APPRENTICE 1
Not CSU transferable

IMTA 112 MATHEMATICS FOR THE MACHINE TRADES
Not CSU transferable

IMTA 210 INDUSTRIAL MANUFACTURING TECHNICIAN APPRENTICE 2
Not CSU transferable

IMTA 212 COMMUNICATIONS FOR APPRENTICE [420-712]
Not CSU transferable

IMTA 255 TRANSITION TO TRAINER: YOUR ROLE AS A JOURNEY WORKER [455-455]
Not CSU transferable

MUSC 160C MARCHING ARTS PEDAGOGY & DESIGN III
3 units
3 hours weekly
Prerequisite: *Completion of MUSC 160B*
This course examines the visual design techniques typically suited for a marching ensemble, including marching band, indoor percussion, guard, and drum corps. This course also examines trends in pedagogy as it relates to the visual component in marching arts.

The following statement applies to the listed programs:

"Courses that were approved for IGETC at the time the courses were taken may be substituted in the LAS major regardless of catalog rights."

LAS Math & Sciences Option I
LAS Social and Behavioral Sciences Option II
LAS Arts and Humanities Option III

Arts and Humanities – Option III:

SPAN 110SS is also an option amongst the Spanish Courses.

Locally Approved Certificate
Computer Aided Manufacturing :

The following courses (6 units) are required for the certificate.
Required Courses:
AM 145, Introduction to CAM I (3)
AM 245, Introduction to CAM II (3)

New Program Developments

Available beginning Fall 2019

IT Cybersecurity Certificate

Program Learning Outcomes

1. Describe the three common Security Operations Center types, the different tools used by the SOC analysts, the different job roles within the Security Operations Center, and incident analysis within a threat-centric Security Operations Center.
2. Demonstrate an understanding of the concepts of computer forensics and summarize how to prepare for a computer investigation.
3. Identify various cloud interface standards and protocols for building a cloud infrastructure using the cloud computing reference model.

Required Courses:	units
A maximum of 6 pass/no pass units will be accepted for any of these certificates.	
CA 171 Introduction to Networking	3
CA 175 Administering Windows Server	3
CA 182 Network Security	3

Required Electives Group A:	units
Select 9 units or 3 courses from the following:	
CA 183 Security Counter Measures	3
CA 165 Digital Forensics Fundamentals	3
CA 166 Cloud Security Fundamentals	3
CA 170 Virtualization and Cloud Essentials	3
CA 179 Cybersecurity Operations – CCNA CyberOps	3
CA 182 Network Security – CCNA Security	3

Required Electives Group B:	units
Select 3 units or 1 course from the following:	
CIS 111 Introduction to programming and Algorithms	3
CIS 157 Introduction in Linux	3
CIS 250 Introduction to Python Programming	3

Alcohol and Other Drug Studies Certificate

Program Learning Outcomes

1. This program will prepare students for certification as Alcohol and/or Drug Abuse Counselor
2. The program trains students in the practice dimensions of an alcohol and drug counselor while providing a theoretical foundation in the behavioral sciences and human service professions.
3. The Certificate of Achievement is designed to prepare students for entry level alcohol and drug counselor employment.

Required Courses:	units
PSY 101 Introductory Psychology	3
PSY 102 Introduction to Alcohol and Other Drug Studies	3
PSY 103 The Physiology and Pharmacology of Psychoactive Drugs	3
PSY 105 Group Leadership and Process	
PSY 106 Case Management, Law and Ethics	3
PSY 107 Chemical Dependency Family Counseling	3
PSY 108 Introduction to Psychological and Social Studies	3
PSY 109 Directed Field Experience I	3
PSY 110 Directed Field Experience II	5
PSY 234 Abnormal Psychology	6

Program Electives	units
Select 3 units	
SOC 101 Introduction to Sociology	3
SOC 112 American Social Issues: Problems and Challenges	3

New Program Developments

Available beginning Fall 2019

Avionics Technology Certificate

Program Learning Outcomes

1. Analyze and evaluate critical aspects of the electronics industry related to safe work practices, standards and tolerances, standard shop practices, proper use of tools, test equipment, and personal protective equipment.
2. Analyze, evaluate, troubleshoot, and repair electronics systems.
3. Evaluate, read and properly interpret industry standard electronics schematics and technical manuals to assess, maintain, and repair electronics systems.

Required Courses:	units
The following courses (15 units) are required for the.	
ELTE 110 Electronic Mathematics	
ELTE 125 Direct Current and Alternating	4
Current Principles	5
ELTE 145 Acceptability f Electronic Assemblies	
	6

Computer Aided Drafting and Manufacturing

Program Learning Outcomes

1. Develop a solid model from concept to physical object through the use of CAD and CAM tools.

Required Courses
AM 100 Geometric Dimensioing and Tolerancing (GD&T)
AM 105 Introduction to 2D CAD
AM 135A 3D Solid Modeling I using CATIA/3D Experience *or* AM 135B 3D Solid Modeling I using Solidworks
AM 145 Introduction to CAM I
AM 235A 3D Solid Modeling II using CATIA/3D Experience *or* AM 235B 3D Solid modeling II using Solidworks
AM 245 Introduction to CAM II

Program Updates

Updates or corrections from original 2019-2020 Catalog – all updates or corrections listed are effective for the 2019-2020 academic year

Wildland Fire Technology Certificate

Required Courses:

Program Requirements:	units
FTW 121 Wildland Firefighter	4
FTW 122 Wildland Public Information Officer, Prevention and Investigation	3
FTW 123 Wildland Fire Operations	3
FTW 221 Wildland Firefighter Safety and Survival	3
FTW 222 Wildland Fire Behavior	3
Electives	14

Electives:	units
Selected 14 units:	
EMT 101, Emergency Medical Technician (EMT)	5.5
FTEC 111, Fire Protection Organization	3
FTEC 112, Fire Prevention Technology	3
FTEC 117, Preparing to be a Firefighter	3
FTW 124, Wildfire Chain Saws	1.5
FTEC 125, Haz Mat First Responder Operations	1
FTW 223, Wildland Engine Firefighter	4
FTW 224, Wildland Fire Control	3
GEOG 201, Map Interpretation and GPS	4

Fire Technology Associates Degree

For the completion Fire Technology Associate in Science degree 15 Electives units are required.

Graphic Design Certificate

Required Courses:

	units
Program Electives	9
Total	**27**

Computer Animation Certificate

Required Courses:

	units
Program Electives:	9
Total	**30**

Digital Printing

Required Courses:

	units
Program Electives:	6
Total	24

Commercial Photography Certificate

The following courses, 24 units, are required for the certificate. Students who successfully complete the certificate requirements are qualified for entry-level positions in newspaper and periodical fields, advertising photography, or as sports, events, and wedding photographers.

Required Courses:

	units
Program Electives	3

Commercial Photography Associate Degree

The requirements for an associate degree in Commercial Photography may be satisfied by completing the certificate program and sufficient program elective units to total 24 units, plus 21 units of general education requirements, and sufficient elective credits to total 60 units. (See Graduation/Associate Degree Requirements.)