2020-2021
Catalog Addendum

Antelope Valley Community College District

(661) 722-6300 · www.avc.edu

Antelope Valley College

3041 West Ave K Lancaster, CA 93536

Palmdale Center

1529 East Palmdale Boulevard Palmdale, CA 93550

Updates to Courses

RADT 201 RADIOGRAPHIC CLINICAL PRACTICUM III

9 units

27 hours weekly

Limitation on Enrollment: *Formal admission to Radiologic Technology Program.*

Prerequisite: *Completion of RADT 107, RADT* 108 and RADT 109 with a grade of "C" or better.

Supervised clinical experiences are provided to perfect skills in a variety of radiographic procedures. Students will have opportunities to enhance basic skills, positioning techniques, patient care, and clinical operations. (CSU, AVC)

Updates to Programs

Associate in Arts in Studio Art for Transfer

The Associate in Art in Studio Arts for Transfer (AA-T in Studio Arts) degree offers students a solid knowledge base in the vocabulary, skills, and concepts in the studio arts. Students will develop and enhance their own creative art practices in preparation for a baccalaureate degree in the visual arts.

The Associate in Art in Studio Arts for Transfer (AA-T in Studio Arts) degree meets the requirements of SB 1440 for Associate Degrees for Transfer (ADT). These degrees are intended to make it easier for students to transfer to California State University campuses, but do not exclude admittance to other colleges or universities.

To earn an Associate in Art in Studio Arts for Transfer (AA-T in Studio Arts) degree a student must complete the following:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:

(A) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a "C' or better in all courses required for the major or area of emphasis.

Required Courses (12 units) units

*ART 102, History of Art, Renaissance Modern 3
ART 110, Drawing 3
*ART 145, 2-D Design Basics 3
ART 150, 3-D Design Basics 3

Required Electives A units

Select 3 units from the following:

*ART 101, History of Art, Prehistoric to Gothic 3
*ART 103, History of Art: Africa, Oceania, and the Americas 3

*ART 104, History of Modern and Contemporary Art in the 20th Century 3

*ART 106, History of Art: Asia 3

*ART 106, History of Art: Asia 3

Required Electives B units

Select 9-10 units from the following:
ART 113, Painting 3
ART 116, Illustration 3
ART 121, Introduction to Computerized Drawing 3
ART 132, Introduction to Ceramics: Hand-Building 3
ART 135, Beginning Wheel-Thrown Ceramics 3
ART 137, Advanced Wheel-Thrown Ceramics 3
ART 140, Watercolor
ART 210, Drawing III or ART 216, Life Drawing 3
ART 213, Advanced Painting 3
PHTC 101, Beginning Black and White Photography 3
PHTC 125, Beginning Digital Photography 3

*Courses denoted with an asterisk will fulfill the completion requirements for both the major and general education.

Except in cases of a prerequisite requirement, it is not required to take courses in exactly this sequence; they are recommended in this order to facilitate success.

Associates Degree for Transfer Computer Science

Program Learning Outcomes

1. Design, create and test a program in a high-level, object-oriented, programming language based on a given set of specifications.
2. Design, create and test a program in assembly language based on a given set of specifications.
3. Solve common problems in the Binary and Hexadecimal numbering systems.

Program Description

Computer science is the study of the theory and methods of processing information in digital computers, the design of computer software and hardware, and the applications of computers. Courses cover programming fundamentals, data structures, discrete mathematics, and computer architecture, along with specific programming languages. The Associate in Science in Computer Science for Transfer degree is offered for those students desiring a major in computer science at a California State University.

Required Courses

CIS 111, Introduction to Programming and Algorithms (3)

CIS 113, Data Structures (3)

CIS 121, Computer Mathematics (3)

CIS 123, Assembly Language and Computer Architecture (3)

MATH 150, Calculus and Analytic Geometry (5)

MATH 160, Calculus and Analytic Geometry (5)

PHYS 110, General Physics (4)

BIOL 110, General Molecular Cell Biology (5) *or* BIOL 120, General Organismal, Ecological, and Evolutionary Biology (5) *or* CHEM 110, General Chemistry (5)

Recommended Plan of Study

First Semester

CIS 111, Introduction to Programming and Algorithms (3)

CIS 123, Assembly Language and Computer Architecture (3)

MATH 150, Calculus and Analytic Geometry (5)

General ED, A2 – Written Communication

Second Semester

MATH 160, Calculus and Analytic Geometry

CIS 113, Data Structures (3)

General ED, C2 – Humanities

General Ed, D8 – Political Science, Government and Legal Institutions

Third Semester

CIS 121, Computer Mathematics (3)

General Ed, A1 – Oral Communications

General Ed, A3 – Critical

General Ed, AE – Additional Breadth

Fourth Semester

BIOL 110, General Molecular Cell Biology (5) *or* BIOL 120, General Organismal, Ecological, and Evolutionary Biology (5) *or* CHEM 110, General Chemistry (5)

General Ed, D2 - Economics

General Ed, D6 - History

General Ed, C1 - Arts, Dance, Music, Theater

General Ed, C2 - Humanities

Computer Aided Drafting and Manufacturing Certificate

The certificate program includes coursework to help prepare students for CAD and CAM use in industry. Students who complete this program will have the necessary skill set to be employed by industry and in a variety of positions. Current engineers will find the program helpful for advanced skill building. Technicians will use this program to strengthen their skill set and technical communications skills.

Required Courses:

AM 100, Geometric Dimensioning and Tolerance (GD&T) (3)

AM 105, introduction to 2D CAD (3)

AM 135A, Solid modeling I using CATIA/3D Experience (3) or AM 135B 3D Solid Modeling I using Solidworks (3)

AM 145, Introduction to CAM I (3)

AM 235 A 3D Solid Modeling II using CATIA/3D Experience (3) or AM 235B 3D Solid Modeling II using Solidworks (3)

AM 245 Introduction to CAM II (3)

Total Units: 18

Vocational Nursing Certificate

Required Courses:

*BIOL 100, Elementary Human Anatomy and Physiology (3)

(This course must be completed before applying to the program)

*NF 100, Nutrition (3)

*PSY 101, General Psychology (3)

VN 109, Fundamentals of Patient Care for Vocational Nurses (2.25)

VN 110, Fundamentals of VN and Pharmacology (12.25)

VN 111, Vocational Nursing in the Child-Bearing Family and Pediatric Patient (5.25)

VN 112, Medical-Surgical Nursing for the Adult and Child (14)

VN 113, Nursing Leadership in Medical-Surgical Nursing (8.25)

Total units 51

* Students must take these courses prior to entering the program. Students who want to pursue the associate degree in registered nursing should consider completing BIOL 201and BIOL 202.