

**FEASIBILITY STUDY
NEW CAMPUS RESEARCH
ASSESSMENT FOR PALMDALE/LANCASTER AREA CAMPUS
AUGUST 2011**

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**RATIONALE FOR ESTABLISHMENT OF NEW CAMPUS IN
PALMDALE/LANCASTER REGION**

- There are high unemployment percentages in the cities of Palmdale and Lancaster
- There is a large number of unemployed adults within these cities
- There is a very large pool of adults in the 20 to 34 year age range
- Educational attainment percentages are low for these cities
- There is limited access to higher educational opportunities for the population living in these two cities
- There are large numbers of students at the high school level that will be graduating soon and needing educational opportunities for college enrollment
- Employment opportunities are strong for several SJVC career majors in Los Angeles County

QUICK FACTS- PALMDALE AND LANCASTER

The cities of Palmdale and Lancaster are both located within the County of Los Angeles. The US Census Bureau reported a population total of 9,818,605 for Los Angeles County in 2010. ⁱ The US Census Bureau reported in the population estimates for 2005-2009 totals of 138,595 for Palmdale, California and 140,409 for Lancaster, California. ⁱⁱ

High Unemployment Percentages

As of May 2011, the Employment Development Department reported an unemployment rate of 11.9% for Los Angeles County. ⁱⁱⁱ The State of California reported an unemployment rate of 11.7% for the current month. However, both the cities of Palmdale and Lancaster have higher unemployment percentages than the average for Los Angeles County and for the State of California. Lancaster has an unemployment rate of 16.6% and Palmdale has an unemployment rate of 14.7%. ^{iv} There are over 17,500 people that are currently unemployed between these two cities.

Commuting to Work

The U.S. Census Bureau surveyed the working population in Palmdale and Lancaster between 2005 and 2009 on their commute patterns to work. They reported a mean travel time of 40.7 minutes each way for people living in Palmdale and 32 minutes each way for people living in Lancaster. ^v In Los Angeles County, 150,000 to 282,344 people commute out of the county of their residence in order to obtain employment. ^{vi} Each of the three adjacent counties also reported commuters in this same number range. ^{vii}

The following table illustrates the population numbers for the labor force by the county, both cities, the number of unemployed and the percentage rates of unemployment. ^{viii}

Area Name	Labor Force	Employment	Unemployment Number	Unemployment Rate
Los Angeles County	4,861,700	4,284,800	577,000	11.9%
Lancaster city	56,200	46,900	9,300	16.6%
Palmdale city	55,600	47,400	8,200	14.7%

Large potential pool of students

The US Census reports that 23% of the population of Los Angeles County is in the age range of 20 to 34 years old.^{ix} This age range is the typical average age of the traditional SJVC student. The following table illustrates the population numbers and percentages of population for this age group in the cities of Palmdale and Lancaster.

Age Range	Population Numbers	Percentage of Population
Age 20 to 24 Lancaster	9,096	6.5%
Age 25 to 34 Lancaster	20,024	14.3%
Age 20 to 24 Palmdale	9,328	6.7%
Age 25 to 34 Palmdale	17,866	12.9%
Totals: 20 to 34	47,218	

Educational Attainment Lancaster and Palmdale

More than half of the adult population that is 25 years old and over has not completed a college degree at any level. In Lancaster, almost 60% of this adult population has not graduated from college. In Palmdale, 51% of these adults have not completed a degree. The largest population category is high school graduates that have never taken a class in college.^x Between these two cities, there are 83,622 adults without a college degree.

Population 25 years and over	Estimated Number Lancaster	Percentage	Estimated Number Palmdale	Percentage
High School Grad	24,642	30.2%	20,893	27.6%
Some College – No Degree	20,049	24.5%	18,038	23.8%
Associate’s Degree	7,380	9%	5,516	7.3%
Bachelor’s Degree	9,311	11.4%	7,498	9.9%
Graduate Degree	3,618	4.4%	3,545	4.7%
Totals with less than AS Degree:	44,691	59.7%	38,931	51.4%

LIMITED EDUCATIONAL OPPORTUNITIES FOR HIGHER EDUCATION:

Lancaster

Antelope Valley College is the only public junior college located within the city of Lancaster.^{xi} In addition to this college, there are 2 vocational institutions in the city that offer courses in health occupational fields. However, the capacity for students is significantly less when compared to the number of adults without a college education. There are over 83,000 adults without an associate degree (not including the soon to graduate high school population) and only 17,044 attending college as of 2010.

Name of College	Type of Education	Programs in Competition to SJVC	Number of Students Enrolled 2010
Antelope Valley College	A.S. Degree	Business Administration; Heating, Ventilation, Air Conditioning and Refrigeration; Medical Assisting; Registered Nursing; Respiratory Therapy; Licensed Vocational Nursing; Aviation Maintenance	15,705
University of Antelope Valley	Cert to Masters	Massage Therapy; Medical Administrative Assistant; Medical Billing; Pharmacy Technician; Licensed Vocational Nursing; Medical Clinical Assistant	702
Career Care Institute	Certificates only	Massage Therapy; Medical Billing; Licensed Vocational Nursing	637

Palmdale

Palmdale has only one college located within the city. DeVry University opened a campus in 2010. However, this campus only offers three associate degree programs:

Electronics and Computer Technology; Network Systems Administration; and Web Graphic Design.^{xii} These programs cost between \$41,200 and \$43,435 for the 2 year degree.^{xiii}

Antelope Valley Regional Occupational School is the only vocational option in this city, and it is restricted to only high school students that are enrolled there for grades 10 to 12.^{xiv}

High School Pipeline To Higher Education

There are 17 public and private grade schools located in the cities of Palmdale and Lancaster that offer classes at the high school level.^{xv} Over 2500 new high school graduates will be potential college freshman in the following year. The following table includes data for high school enrollments and from the senior class students.^{xvi}

High School Name	Total Enrollment 2009-2010 data	Numbers of Seniors	Location
Alta Vista Public	171	3	Lancaster
Antelope Valley High	1772	390	Lancaster
Antelope Valley Pau	137	10	Lancaster
Crescent View West Charter	Not published	Not published	Lancaster
Desert Sands Charter	1867	217	Lancaster
Desert Winds Continuation High	1068	469	Lancaster
Diego Hills Charter	113	7	Lancaster
Eastside High	2527	513	Lancaster
Lancaster High	2751	690	Lancaster
Los Angeles County Online High	630	74	Lancaster
Soar High	278	33	Lancaster
Antelope Valley ROP	Not published	Not published	Palmdale
Highland High	2960	646	Palmdale
Palmdale High	3285	721	Palmdale
Phoenix High	184	30	Palmdale
R. Rex Parris High	526	350	Palmdale
William J. Pete Knight High	3450	768	Palmdale
Totals:	10405	2515	

INITIAL PROGRAM RESEARCH AND COMPARISON FOR CAMPUS

MEDICAL ASSISTING

There are currently only two institutions for adults that are seeking an education for the field of medical assisting in the Palmdale/Lancaster geographic region. Antelope Valley College (a public community junior college) offers a certificate of completion and also an associate degree for Medical Clinical Assistant and for Medical Assisting. The

University of Antelope Valley offers certificate training for Medical Assisting and a short term course for Medical Clinical Assistant.^{xvii}

The following table includes information on the programs located in these two cities: college name; location of city; Name of Program, Program Outcome and cost of the program.

Name of College	Location of City	Name of Program	Program Outcome	Hours of Training	Cost of Training
Antelope Valley College	Lancaster	Clinical Medical Assistant	Cert- 26 college credits		\$36 per unit= \$936
Antelope Valley College	Lancaster	Medical Assistant	Cert – 38 units		\$36 per unit \$1,368
Antelope Valley College	Lancaster	Clinical Medical Assistant	AS Degree 61-64 units		\$36 per unit= \$2,196
Antelope Valley College	Lancaster	Medical Assistant	AS Degree 63 units		\$36 per unit= \$2,268
University of Antelope Valley	Lancaster	Medical Assistant	Cert of Completion	720	\$11,677
University of Antelope Valley	Lancaster	Medical Clinical Assistant	-----	410	\$6,640

Labor Market Information: The Employment Development Department predicts a total of 8,760 job openings between the years of 2008 to 2018 for Medical Assistants in the County of Los Angeles. This number includes newly created positions as well as replacement openings.^{xviii} This job classification is listed as one of the occupations with the most job openings for this area. The following table includes salary information and total jobs predicted for the County of Los Angeles.^{xix}

Area	Projecte d Years	Current Employmen t Estimate	Projected Total Employmen t Number	Average Annual openings- Medical Assistant s	Percentage Increase in Employmen t	Hourl y Mean Wage
Los Angele s	2008- 2018	21,710	28,050	876	29.2%	\$13.91

County						
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MEDICAL SECRETARY (Administrative Health Care Management)

There are currently 3 medical secretarial training programs in the Palmdale/Lancaster geographic region. Three are at a certificate level and there is one option for the associate of science degree.^{xx}

The following table includes information on the programs located in these two cities: college name; location of city; Name of Program, Program Outcome and cost of the program.

Name of College	Location of City	Name of Program	Program Outcome	Hours of Training	Cost of Training
Antelope Valley College	Lancaster	Administrative Medical Assistant	Certificate – 30 units		\$36 per unit= \$1,080
Antelope Valley College	Lancaster	Administrative Medical Assistant	AS Degree- 60 units		\$36 per unit= \$2,160
Career Care Institute	Lancaster	Medical Billing		720	\$9,000
University of Antelope Valley	Lancaster	Medical Billing		810	\$11,761

Labor Market Information: The Employment Development Department predicts a total of 7,830 job openings between the years of 2008 to 2018 for Medical Secretaries in the County of Los Angeles. This number includes newly created positions as well as replacement openings. This job classification is also listed as one of the occupations with the most job openings for this area.^{xxi} The following table includes salary information and total jobs predicted for the County of Los Angeles.^{xxii}

Area	Projecte d Years	Current Employmen t Estimate	Projected Total Employmen t Number	Average Annual openings- Medical Secretarie s	Percentage Increase in Employmen t	Hourl y Mean Wage
Los Angele s County	2008- 2018	21,360	26,310	783	23.2%	\$14.45

BUSINESS ADMINISTRATION

At the time of this report, Antelope Valley College is the only option for certificate or degree training in the field of Business Administration programs. The business programs offered at this college are included in the following table. ^{xxiii}

College Name	Location of City	Name of Program	Program Outcome	Cost of Training
Antelope Valley College	Lancaster	General Business	Certificate 30-34 units	\$36 per unit= \$1,080+
Antelope Valley College	Lancaster	General Business	Associate Degree 60-64 units	\$36 per unit= \$2,160+
Antelope Valley College	Lancaster	Business Administration	Associate Degree 61-62 units	\$36 per unit+ \$2,196

Labor Market Information: Business Administration graduates could go to work in almost any industry due to the broad nature of this field of education. The following job classifications are included as a small sampling of the opportunities in this program: Bookkeeping, Accounting and Auditing Clerks; Office Clerks, General; Customer Service Representatives; Exec Secretaries and Administrative Assistants; and Receptionist and Information Clerks. All of these five classifications are listed as occupations with the most job openings for Los Angeles County according to the Employment Development Department. ^{xxiv}

The Employment Development Department predicts over 34,100 new jobs between 2008 to 2018 for the following jobs that are located in Los Angeles County. ^{xxv} Annual openings include replacement jobs in the chart below. The following table includes salary information and total jobs predicted each year. ^{xxvi}

Job Title	Current Employment Estimate	Projected Total Employment Number	Employment Increase	Percentage Increases	Average Annual openings	Hourly Mean Wage
Bookkeeping, Accounting & Auditing Clerks	62,800	67,220	4,420	7.0%	1,196	\$17.88
Office Clerks, General	110,990	122,380	11,390	10.3%	2,652	\$13.14
Customer Service Representative	56,540	66,390	9,850	17.4%	2,765	\$16.57
Exec Secretaries & Adm Assts	64,710	70,580	5,870	9.1%	5,870	\$21.92
Receptionist & Information Clerks	30,740	33,350	2,610	8.5%	1,090	\$12.86

Total annual jobs:	325,780	359,920	34,140		13,573	
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CRIMINAL JUSTICE

There are currently 2 colleges that are offering training programs in the field of Criminal Justice in the Palmdale/Lancaster geographic region. Both colleges offer a degree at the Associate Degree level, and one offers a degree at both the bachelor and master's degree level..^{xxvii}

The following table includes information on the programs located in these two cities: college name; location of city; Name of Program, Program Outcome and cost of the program.

Name of College	Location of City	Name of Program	Program Outcome	Cost of Training
Antelope Valley College	Lancaster	Administration of Justice	AA Degree	\$36 per unit= \$936
University of Antelope Valley	Lancaster	Criminal Justice	Associate Degree	\$28,787.50
University of Antelope Valley	Lancaster	Criminal Justice	Bachelor Degree	\$57,634.50
University of Antelope Valley	Lancaster	Criminal Justice (complete program)	Master's Degree	\$20,609.50

Labor Market Information:

The Employment Development Department predicts a 5.5% increase in employment for this field over the next 7 years. Information on the number of jobs and salary information are included in the following table..^{xxviii} In the 2009-2010 reporting year, Antelope Valley College reported 63 graduates from their Associate Degree program in Criminology and the University of Antelope Valley graduated 21 with an Associate Degree..^{xxix}

Area	Projected Years	Current Employment Estimate	Projected Total Employment Number	Average Annual openings-Corrections	Percentage Increase in Employment	Hourly Mean Wage
Los	2008-	4210	4440	116	5.5%	\$32.48

Angeles County	2018					
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INDUSTRIAL TECHNICIAN

At the time of this report, the closest comparison program to the SJVC Industrial Technology program is the Electrical Technology major at Antelope Valley College. Antelope Valley offers both a certificate of completion and an associate degree in this field. The certificate program includes 34 units of training which closely compares to the SJVC certificate program.^{xxx} Antelope Valley College graduated 41 people in the industrial technology field in the 2009-2010 academic year.^{xxxi}

College Name	Location of City	Name of Program	Program Outcome	Cost of Training
Antelope Valley College	Lancaster	Electrical Technology	Certificate 34 units	\$36 per unit= \$1,224+
Antelope Valley College	Lancaster	Electrical Technology	Associate Degree 60 units	\$36 per unit= \$1980+

Labor Market Information:

This career field has multiple employment opportunities for graduates from the IT program. The following table lists just some of the options that are available for people with industrial technology training.^{xxxii}

Job Title	Current Employment Estimate	Projected Total Employment Number	Employment Increase	Percentage Increases	Average Annual openings	Hourly Mean Wage
Industrial Machinery Mechanics	3850	4490	640	16.6%	120	\$23.10
Maintenance Workers, Machinery	1440	1470	30	2.1%	25	\$18.02
Industrial Engineering Technicians	1440	1770	330	22.9%	60	\$21.18
Helpers, Installation and Repair Workers	4490	4670	180	4.0%	233	\$14.22
Total annual jobs:	11220	12400	1180		438	

PHARMACY TECHNICIAN

At the time of this report, the University of Antelope Valley offers a certificate program for Pharmacy Technicians, but they do not offer the option for an associate degree in this field. The following table provides details on the program.^{xxxiii}

College Name	Location of City	Name of Program	Program Outcome	Cost of Training
University of Antelope Valley	Lancaster	Pharmacy Technician	Certificate	\$13,000.50

Labor Market Information:

The following chart illustrates employment projections for the field of pharmacy technicians in this county. Within the cities of Palmdale and Lancaster, there are currently over 70 pharmacy locations.^{xxxiv}

Area	Projecte d Years	Current Employmen t Estimate	Projected Total Employmen t Number	Average Annual openings- Pharmacy Technician s	Percentage Increase in Employmen t	Hourl y Mean Wage
Los Angeles County	2008-2018	6360	8170	342	28.5%	\$17.14

HEATING, VENTILATION, AND AIR CONDITIONING

Antelope Valley College offers both certificate and associate degree options for the field of air conditioning and refrigeration. Students may select to specialize in just one subject area, or choose to take a program which combines both skill sets.^{xxxv}

College Name	Location of City	Name of Program	Program Outcome	Cost of Training
Antelope Valley College	Lancaster	Air Conditioning and Refrigeration Specialist	Associate Degree- 61 units	\$36 per unit= \$2016+
Antelope Valley College	Lancaster	Air Conditioning Specialist	Certificate 20 units	\$36 per unit= 720+
Antelope Valley College	Lancaster	Air Conditioning Specialist	Associate Degree – 60 units	\$36 per unit= \$1980
Antelope Valley College	Lancaster	Refrigeration	Certificate	\$36 per unit=

College		Specialist	20 units	720+
Antelope Valley College	Lancaster	Refrigeration Specialist	Associate Degree- 60 units	\$36 per unit= \$1980

Labor Market Information:

The EDD predicts a 12.7% increase in employment for the field of air conditioning and refrigeration in this county.^{xxxvi} According to IPED data for 2009-2010, Antelope Valley College only graduated 25 students in the refrigeration and air conditioning department during this time frame. The majority of these students only finished the certificate option.^{xxxvii}

Area	Projected Years	Current Employment Estimate	Projected Total Employment Number	Average Annual openings-HVAC	Percentage Increase in Employment	Hourly Mean Wage
Los Angeles County	2008-2018	5110	5760	147	12.7%	\$23.29

VETERINARY TECHNICIAN

At the present time, there is only one short term training option program in Palmdale or Lancaster for Veterinary Technicians. The Antelope Regional Occupational Program (offered through the high school district), offers a short certificate program for high school students and adults that are low income.^{xxxviii} There are 58 Veterinary offices located in this area.^{xxxix}

Name of College	Location of City	Name of Program	Program Outcome	Cost of Training
Antelope Valley ROP	Palmdale	Veterinary/Animal Health Technician	Certificate	\$336

Labor Market Information:

The Employment Development Department has two different job classifications that pertain to the field of Veterinary Technician. Both of these occupational titles are included in the table below. Data is for the 2008-2018 time frame.^{xl}

Job Title	Current Employment Estimate	Projected Total Employment Number	Employment Increase	Percentage Increases	Average Annual openings	Hourly Mean Wage
Veterinary Assistants	1180	1300	120	10.2%	26	\$12.44
Veterinary	1560	1900	340	21.8%	73	\$16.74

Technologist						
Total annual jobs:	2740	3200	460		99	

- ⁱ Quickfacts.census.gov- LA County
- ⁱⁱ Factfinder.census.gov- demographics for Palmdale and Lancaster, CA 2005-2009
- ⁱⁱⁱ EDD Monthly Labor Force Data for Cities in Los Angeles County – May 2011
- ^{iv} EDD Monthly Labor Force Data for Cities in Los Angeles County – May 2011
- ^v US Census Bureau- Economic Characteristics for Palmdale and Lancaster 2005-2009
- ^{vi} US Census – 2000 data on County Commute Patterns
- ^{vii} US Census – 2000 data on County Commute Patterns
- ^{viii} EDD Monthly Labor Force Data for Cities in Los Angeles County – May 2011
- ^{ix} US Census Data 2005-2009 survey- County of Los Angeles
- ^x Factfinder.census.gov- demographics/selected social characteristics for Palmdale and Lancaster, CA 2005-2009
- ^{xi} IPEDS data – colleges in Lancaster, CA
- ^{xii} www.devry.edu- Palmdale Center campus
- ^{xiii} www.devry.edu- Palmdale Center campus
- ^{xiv} IPEDS information on Antelope Valley Regional Occupational Program – 2009-2010 data
- ^{xv} IPEDS for Palmdale and Lancaster grade schools 2009-2010 data
- ^{xvi} IPEDS for Palmdale and Lancaster grade schools 2009-2010 data
- ^{xvii} Eligible Training Program List for Lancaster and college catalog for Antelope Valley College
- ^{xviii} www.labormarketinfo.edd.ca.gov- Occupations with the most openings in Los Angeles County for 2008-2018
- ^{xix} EDD – labor market information – Medical Assistants- Los Angeles County 2008-2018
- ^{xx} Eligible Training Program List for Lancaster and college catalog for Antelope Valley College
- ^{xxi} www.labormarketinfo.edd.ca.gov- Occupations with the most openings in Los Angeles County for 2008-2018
- ^{xxii} EDD – labor market information – Medical Secretaries- Los Angeles County 2008-2018
- ^{xxiii} Catalog for Antelope Valley College – 2011-2012
- ^{xxiv} www.labormarketinfo.edd.ca.gov- Occupations with the most openings in Los Angeles County for 2008-2018
- ^{xxv} www.labormarketinfo.edd.ca.gov- Occupations with the most openings in Los Angeles County for 2008-2018
- ^{xxvi} EDD- labor market information for Bookkeeping Accounting and Auditing Clerks; Office Clerks, General; Customer Service Representative; Executive Secretaries ; and Receptionist and Information Clerks for LA County 2008-2018.
- ^{xxvii} Eligible Training Program List for Lancaster and college catalog for Antelope Valley College
- ^{xxviii} EDD occupational profile – LA County 2008-2018 for Correctional Officers
- ^{xxix} IPEDS – Antelope Valley College and University of Antelope Valley
- ^{xxx} Catalog – Antelope Valley College
- ^{xxxi} IPEDS- Antelope Valley College
- ^{xxxii} EDD occupational profiles for helpers, installation and repair workers; industrial engineering technicians; maintenance workers machinery; and industrial machinery mechanics
- ^{xxxiii} Web site – University of Antelope Valley
- ^{xxxiv} Yahoo search – pharmacies in Palmdale and Lancaster, CA
- ^{xxxv} Catalog – Antelope Valley College
- ^{xxxvi} EDD occupational profile for HVAC in LA County 2008-2018
- ^{xxxvii} IPEDS- Antelope Valley College
- ^{xxxviii} EDD- training programs in Palmdale- Veterinary/Animal Health Technician
- ^{xxxix} Yellow pages search for veterinary offices – Palmdale and Lancaster, CA
- ^{xl} EDD occupational info on Vet Assistants and Vet Technologists