

FEASIBILITY STUDY
TEMECULA PROGRAM EXPANSION
 Updated January 2011
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RECOMMENDATION FOR PROGRAM EXPANSION IN TEMECULA: Heating, Ventilation, Air Conditioning and Refrigeration; Dental Assisting; Pharmacy Technology

- The City of Temecula is located in a fast growing metropolitan area
- There is a large pool of unemployed adults that are available/eligible for training
- There are a limited number of training program options for certificates and/ or degrees for people living in Temecula and the immediate geographic area
- There are positive employment projections to support in training options for the Heating, Ventilation, Air Conditioning and Refrigeration (HVAC-R), Dental Assisting (DA) and Pharmacy Technology (PT)
- SJVC has long term experience in instruction of these programs
- SJVC has long term success in placement of students from these career fields

According to research conducted by the California Employment Development Department (EDD) Labor Market Information Division, Riverside County is still one of the fastest growing metropolitan areas in the entire United States.ⁱ The California Department of Finance estimated that there are now over two million people living in Riverside County as of 2009. The US Census Bureau reported in March 2010, that this County had grown by over 580,000 people in the past 9 years.ⁱⁱ

The EDD reported a labor force decline of 20,000 jobs in this County going from 929,700 employed in March 2009 down to 909,000 employed in September 2011. The unemployment rate is now 14%, compared to an unemployment rate of 13.2% two years ago. This represents a total of over 127,000 eligible adults that are currently seeking employment.

The following chart illustrates the labor force and unemployed populations for the City of Temecula and other cities within a 20 mile range of Temecula.ⁱⁱⁱ City population information is reported from the California Department of Finance as of January 2011.^{iv}

Area Name	Population of City	Labor Force	Employment	Unemployment Number
Temecula city	101,657	36,300	32,800	3,500
Murrieta city	104,459	27,100	24,500	2,600
Lake Elsinore city	52,503	17,100	14,800	2,300
Wildomar CDP	32,543	8,100	7,100	1,000
Canyon Lake city	10,647	6,400	5,800	600
Sun City	unincorporated	6,300	5,400	900
Totals	301,809	101,300	90,400	10,900

Within Riverside County, there are four Community Colleges, but only two of the colleges, Mount San Jacinto and Riverside Community are less than 50 miles from the City of Temecula. The next closest Community Colleges are located in the adjacent counties of San Diego and San Bernardino.^v The student census information for these community colleges was obtained through the National Center for Education Statistics-IPEDS College data reports for 2010.^{vi}

Name of Community College	Location	County	Miles from Temecula	Student Census
Mount San Jacinto College	San Jacinto, CA	Riverside	28 miles	16,108
Mira Costa College	Oceanside, CA	San Diego	32 miles	14,529
Palomar College	San Marcos, CA	San Diego	32 miles	26,231
Riverside Community College	Riverside, CA	Riverside	38 miles	20,585
San Bernardino Valley College	San Bernardino, CA	San Bernardino	49 miles	13,822

STUDY FOR EXPANSION PROGRAM OFFERINGS

- **HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION PROGRAM**

Educational Programs-HVAC-R

At the time of this report, there are no options for vocational training programs located in the City of Temecula for the field of heating, ventilation, air conditioning and refrigeration.^{vii} The SJVC *Heating, Ventilation, Air Conditioning and Refrigeration* program would offer local area students the option to complete a full Associate of Science Degree. According to the State of California approved Employment Training Provider Listing (ETPL), there are only 3 options for training in the field of HVAC-R in Riverside County.^{viii} These two options are located in the City of Riverside which is 38 miles away and Coachella which is 79 miles away. These options are for certificate training only, with no option to complete an Associate Degree. The table below lists the limited training in this region for this program major.

Training Provider	Name of Program	Location	Miles from Temecula	Tuition and Fees	Hours of Training
Center for Employment Training	HVAC-R Technician	Coachella, CA	79 miles	\$8,684	810
Masters Vocational College	HVAC-R	Riverside, CA	38 miles	\$8,500	450
University of California Riverside - Extension	HVAC-R	Riverside, CA	36 miles	\$2,325	81

Labor Market Information –HVAC-R

Over 300 jobs are predicted in Riverside County for this field of training between 2008 and 2018. Annual job growth is predicted to be approximately 73 jobs. The following chart includes the jobs by title, annual openings, and total number of openings for the ten year period, employment percentage change and hourly mean wage.^{ix}

Job Title	Annual Openings for 2008-2018	Current Employed in County	Total Number of Employees Projected	Predicted Employment Increase over 10 years	Employment Change Percentage	Hourly Mean wage
Heating/Air Conditioning and Refrigeration Workers	73	2,660	2,960	300 jobs	+11.3%	\$21.28

Employment Potential in the City of Temecula –HVAC-R

The EDD lists 67 businesses identified with the description of HVAC-R Contractors with in this city.^x With no other local colleges training in the city, graduates from this program should face promising local employment opportunities. In addition to jobs with HVAC-R service and repair companies, graduates may obtain employment in industrial and manufacturing businesses.

Placement and Graduation Reference Information – HVAC-R at SJVC Bakersfield Campus

The San Joaquin Valley College Bakersfield Campus is the closest location with graduates from this program. This campus has achieved positive results in this region with graduates from the HVAC-R Program. Graduation rate for HVAC-R Program students who started between January 1, 2008 and June 30, 2010 is 59.3%. Placement rate for HVAC-R Program graduates between January 1, 2008 and June 30, 2010 is 86.2%.^{xi}

• DENTAL ASSISTING PROGRAM

Educational Programs-DA

Within the City of Temecula, there are no local training options for Dental Assisting. Within the County of Riverside, there are only four ETPL approved programs for this field. The following table provides the information on all programs within this County.

College	Name of Program	Location	Miles from Temecula	Hours of Instruction	Tuition and Fees
Castell Dental Asst School	Dental Assisting	Hemet	28 miles	80	\$2,987
Kaplan	Dental Assistant	Riverside	38 miles	780	\$15,139
Kaplan	Dental Assistant	Palm Springs	69 miles	855	\$17,617
Riverside Community College	Dental Assistant	Moreno Valley Campus	34 miles`	29 units at Cert – 60 units at AS	\$2015

Labor Market Information –DA

Over 960 jobs are predicted in Riverside County for this field of training between 2008 and 2018. Annual job growth is predicted to be approximately 176 jobs. Dental Assisting is listed as one of the fastest growing occupations for Riverside and San Bernardino Counties.^{xii} The following chart includes the annual openings, and total number of openings for the ten year period, employment percentage change and hourly mean wage.^{xiii}

Job Title	Annual Openings for 2008-2018	Currently Employed in County	Total Number of Employees Projected	Total Number of Jobs Projected	Employment Change Percentage	Hourly Mean
Dental Assisting	176	4,230	5,190	960	+22.7%	\$15.40

Employment Potential in the City of Temecula –DA

There are 872 Dentists in the County of Riverside. There are over 90 Dentists located in the City of Temecula.^{xiv} With this many local dentists, and no local training options, graduates from this program at SJVC have an excellent opportunity for employment.

Placement and Graduation Reference Information – DA at SJVC Bakersfield Campus

The San Joaquin Valley College Bakersfield Campus is the closest location with graduates from this program. This campus has achieved positive results in this region with graduates from the DA Program. Graduation rate for DA Program students who started between January 1, 2008 and June 30, 2010 is 53.7%. Placement rate for DA Program graduates between January 1, 2008 and June 30, 2010 is 96.4%.^{xv}

- **PHARMACY TECHNOLOGY PROGRAM**

Educational Programs-PT

There is only one local competitor for this field of training in the City of Temecula. HealthStaff Training Institute offers only a certificate option for Pharmacy Technicians.^{xvi} There are three other college programs for this field in the County of Riverside. The College of the Desert, Maric College and University of California Riverside Extension all offer certificate programs. These programs are from 28 to 66 miles away from Temecula.

College	Name of Program	Location	Miles from Temecula	Hours of Instruction	Tuition and Fees
College of the Desert	Pharmacy Technician	Palm Desert	66 miles	302	\$2,425
HealthStaff Training Institute	Pharmacy Technician	Temecula	local	720	\$7,649
Maric College	Pharmacy Technician	Riverside	38 miles	720	\$6,650
UCR Extension	Pharmacy Technician	Riverside	38 miles	52	\$1,449

Labor Market Information –PT

Labor Market forecasts for this field are strong for the County of Riverside. The EDD predicts a 25.5% increase in the number of employed pharmacy technicians between 2008 and 2018.^{xvii}

Job Title	Annual Openings for 2008-2018	Currently Employed in County	Total Number of Employees Projected	Total Number of Jobs Projected	Employment Change Percentage	Hourly Mean
Pharmacy Technician	153	3,020	3,790	770	+25.5%	\$17.27

Employment Potential in the City of Temecula –PT

According to the EDD, there are 799 pharmacies and drug stores located in the County of Riverside. There are only 18 pharmacies in the City of Temecula; however, there are a total of 64 pharmacies within a 15 mile radius of the city. The near-by communities include Murrieta, Wildomar, Sun City, and Lake Elsinore.

San Joaquin Valley College has established statewide training agreements with several major pharmacy chains in California. The College currently has agreements that cover all locations for Walgreens, K-Mart, CVS, and Sav-On Drugs. With just these 4 pharmacy chains, SJVC would have existing contracts in place for 23 different sites.

Placement and Graduation Reference Information – PT at SJVC Bakersfield Campus

The San Joaquin Valley College Bakersfield Campus is the closest location with graduates from this version of the PT Program. Graduation rate for PT Program students who started between January 1, 2008 and June 30, 2010 is 59.3%. Placement rate for PT Program graduates between January 1, 2008 and June 30, 2010 is 65.1%.^{xviii}

PROGRAMS RESEARCHED AND NOT RECOMMENDED FOR IMPLEMENTATION

Four additional programs were studied for consideration for the Temecula Campus, but a delay to implement is recommended. Therefore, Computer Systems Administration (CSA), Veterinary Technology (VT), Emergency and Safety Management (ESSM), and Industrial Technology (IT) will not be pursued at this time. The decision to not move forward on these four programs was based on a variety of factors including: the number of training options currently available in the region; a low number of predicted job openings; and/or starting salaries for entry level positions where there are limited options for advancement.

• **COMPUTER SYSTEMS ADMINISTRATION**

Educational Programs-CSA

Although there are no options for training in the field of computer support technician in the City of Temecula, there are many options for training in Riverside County at the certificate level. The following table provides details on the programs that are approved on the ETPL in this region.^{xix}

Training Provider	Name of Program	Location	Miles from Temecula	Hours of Training	Tuition and Fees
BMR Training /Global Success	Computer Support Specialist	Riverside	38 miles	480	\$3,999
Kaplan College	Computer Support Technician	Riverside	38 miles	720	\$13,975
LTS Career Training	IT Computer Technician	Riverside	38 miles	189	\$4,300
Maric College-Lake Forest	Computer Network and Programming	Lake Forest	64 miles	720	\$6,500
Maric College	Computer Networking Program 1	Riverside	38 miles	720	\$10,195
Maric College – Riverside	Computer Systems Repair	Riverside	38 miles	720	\$8,834
Mayfield College	Computer Support Technician Advance	Cathedral City	75 miles	725	\$12,900
Mayfield College	Computer Support Technician	Cathedral City	75 miles	725	\$6,000
Riverside Community College	Computer Information Systems	Riverside	38 miles	459	\$459

Riverside Training Center	Computer Service and Repair	Mira Loma	45 miles	400	\$6,000
UCR Extension	Computer Tech	Riverside	38 miles	96	\$2,410

Labor Market Information –CSA

The EDD predicts a need of 68 new Computer Systems Analysts each year through 2018 for the County of Riverside. However, most employers are looking for graduates with a minimum of a Bachelor’s Degree.^{xx} There are four California State University campuses in this region that offer Bachelor Degrees in Computer Science, Computer Systems, and Computer Engineering-Dominguez Hills, Northridge, Pomona and San Bernardino. Computer System graduates with less than a Bachelor’s Degree will have very stiff competition for entry level employment opportunities.

Locally, there are a limited number of employers for this field in the City of Temecula. According to EDD information on Temecula, there are only 14 businesses that specialize in computer systems and design services in the city and general businesses are not advertising for general computer support administration positions.^{xxi}

Job Title	Annual Openings for 2008-2018	Currently Employed in the County	Total Number of Employees Projected	Total Number of Jobs Projected for 10 year period	Employment Change Percentage	Hourly Mean
Computer Systems Analyst	68	2,040	2,280	240	+11.8%	\$35.69

• **VETERINARY TECHNOLOGY**

Educational Programs and Labor Market Information - VT

There are no training options for veterinary assistant in Temecula or in Riverside County at the present time. However, the EDD predicts only 9 new openings for Veterinary Assistants each year through 2018 for the County of Riverside.^{xxii} With just 9 openings forecast for an entire County, employment prospects to support development of a VT Program are not promising. Over a 10 year period of time, the EDD forecasts only 30 new positions in this field. There are only 14 employers identified by the EDD as veterinarians for the City of Temecula.

Job Title	Annual Openings for 2008-2018	Currently Employed in the County	Total Number of Employees Projected	Total Number of Jobs Projected for 10 year period	Employment Change Percentage	Hourly Mean
Veterinary Assistants	9	570	600	30	5.3% increase	\$10.48

- **EMERGENCY AND SAFETY MANAGEMENT**

Educational Programs-ESSM

Currently in the City of Temecula, there are no similar options for training in this program major.^{xxiii} There is only one program in the County of Riverside that provides training for security officers.^{xxiv} This skill is just one of many options for employment for graduates from SJVC’s ESSM Program.

There are several additional categories of employment opportunities for this program major. Graduates may choose to begin work in a variety of public and private positions including: Emergency Medical Technician 1, Loss Prevention Officer, or Security Officer (private employers and campus security employment). Graduates may also find positions in the area of industrial safety.

Labor Market Information –ESSM

There are several occupational titles for graduates of this program. Emergency Medical Technicians and Paramedics are one of the fastest growing occupations for the County of Riverside between 2008 and 2018. According to the EDD, this career field is predicted to grow by 26% in this time frame.^{xxv} In just the 7 job classifications listed below, there are over 675 annual openings for employment with in this County. However, since 55% of the job openings for this field are at a very low starting wage, (security guards) SJVC has not included the program offering for Temecula at this time. Data for this occupation and several other occupations that support jobs for this career major are included in the table below.^{xxvi}

Job Title	Annual Openings for 2008-2018	Currently Employed in County	Total Number of Employees Projected	Total Number of Jobs Projected	Employment Change Percentage	Hourly Mean Wage
EMT and Paramedics	87	1,870	2,360	490	+26.2%	\$17.71
Protective Service Worker Supervisors, All others	24	510	570	60	+11.8%	\$23.26
Security Guards	376	10,790	12,330	1,540	+14.3%	\$11.61
Protective Service Workers	169	2,220	2,410	190	+8.6%	\$16.51
Hazard Material Removal Workers	13	330	370	40	+12.1%	\$22.15
Occupational Health and Safety Specialist	19	400	450	50	+12.5%	\$33.87
Occupational Health and Safety Technician	N/A			N/A		\$25.45

- **INDUSTRIAL TECHNOLOGY**

Educational Programs-IT

There are no training options for this program in Temecula at this time. There are four program options for training in the County of Riverside: Intercoast College (located in Riverside); Masters Vocational College (located in Riverside); Riverside Community College and Mt. San Jacinto Community College.^{xxvii}

Labor Market Information –IT

The labor market forecasts for this field for the County of Riverside are limited according to research conducted by the EDD for 2008 to 2018. The following table lists five different employment occupations for this field of training. Four of these occupational titles show very low growth for the region.^{xxviii} Most jobs in this field are predicted due to turn-over and not company expansion. At the present time, there are only 12 employers in the manufacturing industry large enough to hire graduates for this field of training in Temecula.^{xxix}

Job Title	Annual Openings for 2008-2018	Currently Employed in the County	Total Number of Employees Projected	Total Number of Jobs Projected for 10 year period	Employment Change Percentage	Hourly Mean Wage
Electrical and Electronics Repairers, Commercial	21	900	950	50	5.6%	\$27.53
Maintenance Workers, Machinery	10	560	560	0	0%	\$16.87
Industrial Machinery Mechanics	35	1,200	1,380	180	15%	\$25.10
Electric Motor, Power Tool, and Related Repairers	6	130	140	10	7.7%	\$15.87
Helpers, Installation and Repair Workers	69	1,340	1,390	50	3.7%	\$13.18

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- ⁱ www.labormarketinfo.edd.ca.gov- Riverside County Profile – researched May 2009
- ⁱⁱ US Census Bureau – The top 100 fastest growing counties in the US – March 2010
- ⁱⁱⁱ www.labormarketinfo.edd.ca.gov- Riverside County – Data for Cities- Labor Force Oct 2011
- ^{iv} City/County Population Estimates January 2011- Riverside County cities- California Dept of Finance
- ^v Chancellor’s Office- California Community College Map of locations
- ^{vi} National Center for Education Statistics- IPEDS reports for Mt. San Jacinto, Mira Costa, Riverside, Palomar and San Bernardino Community Colleges 2010
- ^{vii} ETPL for Temecula, CA – etpl.edd.ca.gov
- ^{viii} ETPL – Riverside County – HVAC-R options for training
- ^{ix} Labor Market information for HVAC-R in Riverside County – 2008-2018
- ^x EDD Labor Market information for HVAC-R in Riverside County 2008-2018
- ^{xi} Campusvue stats: Bakersfield Campus – HVAC-R Program for student starts between 1/2008 and 7/2010; placement % does not consider graduates eligible graduates who continue education, are in military service, have medical disability, or lack required licensures
- ^{xii} 2008-2018 Fastest growing occupations for 2008-2018 Riverside-San Bernardino-Ontario MSA
- ^{xiii} EDD Labor Market info- Dental Assisting in Riverside County 2008-2018
- ^{xiv} EDD Labor Market info Dental Assisting in Riverside County 2008-2018
- ^{xv} Campusvue stats: Bakersfield Campus – DA Program for student starts between 1/2008 and 7/2010; placement % does not consider graduates eligible graduates who continue education, are in military service, have medical disability, or lack required licensures
- ^{xvi} ETPL listing – Pharmacy Techs for Riverside County
- ^{xvii} EDD labor market research – Riverside County 2008-2018
- ^{xviii} Campusvue stats- Bakersfield Campus – PT Program for students starts between 1/2008 and 7/2010; placement % does not consider graduates eligible graduates who continue education, are in military service, have medical disability, or lack required licensures
- ^{xix} ETPL for Temecula, CA – Computer Training Programs in Riverside County
- ^{xx} EDD labor market info- Computer System Analysts – 2008 to 2018
- ^{xxi} EDD employer search – Temecula – Computer System Analysts
- ^{xxii} EDD labor market info- Veterinary Assistants in Riverside County 2008-2018
- ^{xxiii} ETPL for Temecula, CA- etpl.ca.gov
- ^{xxiv} ETPL – US College – Private Security Officer
- ^{xxv} 2008-2018 Fastest growing occupations for 2008-2018 Riverside-San Bernardino-Ontario MSA
- ^{xxvi} EDD labor market information for these job titles: EMT and Paramedics; Protective Service Worker Supervisors; Protective Service Workers; Hazard Material Removal Workers; Occupational Health and Safety Specialist; Occupational Health and Safety Technicians; and Security Officers
- ^{xxvii} ETPL listing – IT training for Riverside County
- ^{xxviii} EDD labor market research for Riverside County 2008-2018 – Electrical and Electronics Repairers, Commercial; Maintenance Workers Machinery; Industrial Machinery Mechanics; Electric Motor, Power Tool and Related Repairs; Helpers, Installation and Repair Workers
- ^{xxix} EDD employer data for manufacturing companies in Temecula