

## Highlights from the Economic Modeling Specialists, Inc.

### Top 20 Occupations Report 2008-2013

- ❖ Of the top 20 fastest growing occupations (that require a postsecondary vocational award or an associate's degree) in the 12 county Central Valley Region (including Stanislaus, Tuolumne and Calaveras Counties), nine are in the health care field. The Yosemite Community College District offers training in seven of these areas.
  - The only fast growing health related occupations that YCCD does not address through its educational programs are dental hygiene (15% growth with 212 added jobs by 2013) and radiologic technology (10% growth with 159 added jobs by 2013).
- ❖ The need for veterinary technologists and technicians is expected to grow by 22% (132 added jobs) by 2013. Modesto Junior College offers a certificate in this area.
- ❖ The need for fitness trainers is expected to grow by 15% (280 added jobs). Modesto Junior College offers a degree in this area.
- ❖ The need for computer support specialists is expected to grow by 10% (313 added jobs). Both colleges offer degrees and/or certificates in this area.
- ❖ The need for electrical and electronic engineering technicians is expected to grow by 10% (136 added jobs). Modesto Junior College offers degrees and certificates in these areas.
- ❖ The need for preschool teachers (except special education) is expected to grow by 9% (511 added jobs). Both colleges offer degrees and/or certificates in this area.
- ❖ The need for automotive service technicians and mechanics is expected to grow by 7% (557 added jobs). Columbia College and Modesto Junior College offer degrees and certificates in these areas.
- ❖ The need for real estate agents and appraisers and assessors of real estate is expected to grow by 30% (5,462 added jobs). Modesto Junior College offers degrees and a certificate in these areas.
  - Other areas of predicted occupational growth that YCCD does not currently address are:
    - Library technician: expected growth of 11% with 177 added jobs by 2013.
    - Mobile heavy equipment mechanics, except engines: expected growth of 10% with 169 added jobs by 2013.
    - Bus and truck mechanics and diesel engine specialists: expected growth of 8% with 361 added jobs by 2013.
- ❖ YCCD offers education/training related to four of the highest paying occupations among the top 20 fastest growing occupations (registered nurses, respiratory therapists, electrical and electronic engineering technicians and respiratory therapy technicians).

Top 20 Areas of Occupational Growth Requiring an AA/AS or vocational education certificate		Modesto Junior College		Columbia College	
Description	% Job Growth by 2013	Certificates	Degrees	Certificates	Degrees
Real estate agents and appraisers and assessors of real estate	29%	1	2		
Veterinary technologists and technicians	22%	1			
Emergency medical technicians and paramedics	19%	1		3	1
Registered nurses	15%		1		
Fitness trainers and aerobics instructors	15%		Athletic Training/Sports Medicine (1)		
Dental hygienists	15%	Dental Assisting (1)	Dental Assisting (1)		
Nursing aides, orderlies, and attendants	13%	2	1		
Respiratory therapists	13%		1		
Library technicians	11%				
Computer support specialists	10%	Network Administration, Network Technician, Computer Electronics (3)	Computer Electronics (2)	Network Support Technician, Computer Support Technician (Pending State Approval, 2)	
Mobile heavy equipment mechanics, except engines	10%				
Radiologic technologists and technicians	10%				
Medical records and health information technicians	10%	Records Management/Data Entry Specialist (1)		1	1
Electrical and electronic engineering technicians	10%	2	2		
Licensed practical and licensed vocational nurses	9%	2	1		
Preschool teachers, except special education	9%	4	2	1	
Medical secretaries	8%			1	1
Bus and truck mechanics and diesel engine specialists	8%				
Automotive service technicians and mechanics	7%	2	1	6	2
Forest and conservation technicians (Tuolumne and Calaveras counties only)	4%			3	5

Source: Occupational growth data, EMSI. MJC and CC certificates and degrees: Datatel Reports, Student Academic Programs Report. Where the colleges provide education or training in subject matter related to an area of occupational growth, the name of the certificate or degree was listed. YCCD Research and Planning Work Group, November 2008.

# Yosemite Community College District

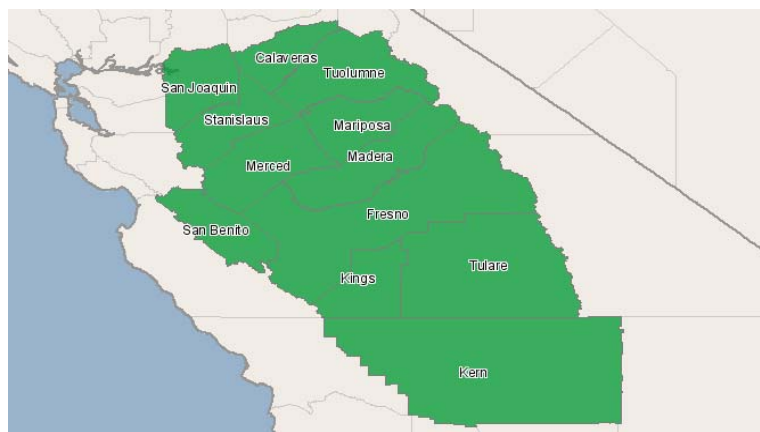


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## Top 20 Occupations Report



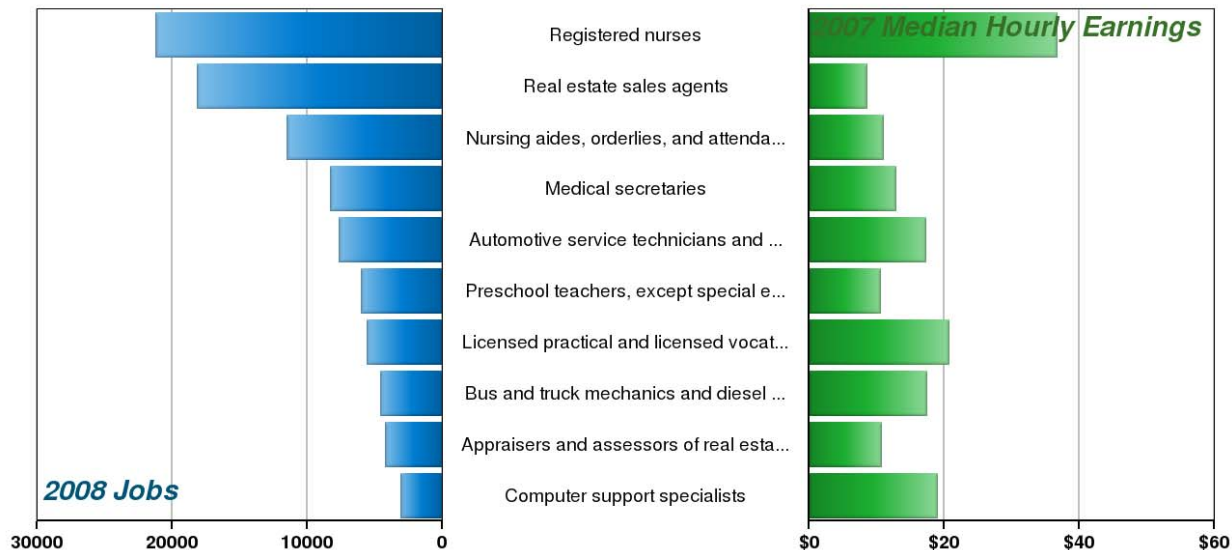
**YCCD Research and Planning Work Group  
(Central Services, Modesto Junior College and Columbia College)**

**12-County Central Valley:** Calaveras, Fresno, Kern, Kings, Madera, Mariposa, Merced, San Benito, San Joaquin, Stanislaus, Tulare, Tuolumne

**Filter**

Condition	Value
Education Level	Postsecondary vocational award
	Associate's degree

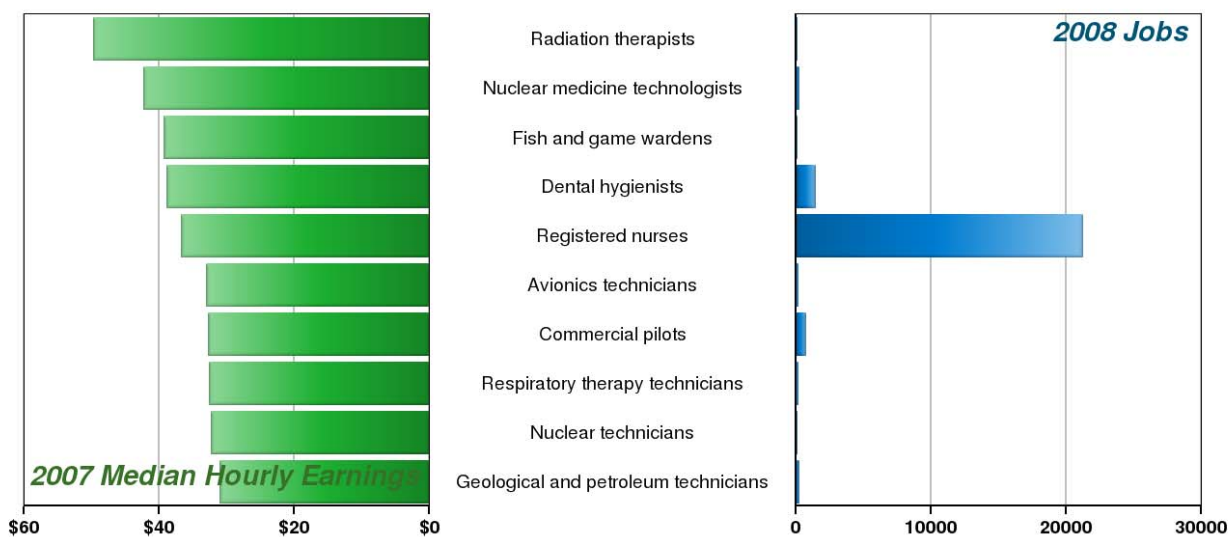
**Largest Occupations**



SOC Code	Description	2008 Jobs	2013 Jobs	Change	% Change	2007 Median Hourly Earnings
41-9022	Real estate sales agents	18,160	23,622	5,462	30%	\$8.56
13-2021	Appraisers and assessors of real estate	4,187	5,394	1,207	29%	\$10.67
29-2041	Emergency medical technicians and paramedics	1,447	1,721	274	19%	\$14.86
29-1111	Registered nurses	21,194	24,288	3,094	15%	\$36.70
39-9031	Fitness trainers and aerobics instructors	1,866	2,146	280	15%	\$13.05
29-2021	Dental hygienists	1,452	1,664	212	15%	\$38.90
31-1012	Nursing aides, orderlies, and attendants	11,480	12,925	1,445	13%	\$11.04
25-4031	Library technicians	1,540	1,717	177	11%	\$14.46
15-1041	Computer support specialists	3,070	3,383	313	10%	\$18.97
49-3042	Mobile heavy equipment mechanics, except engines	1,749	1,918	169	10%	\$20.79
29-2034	Radiologic technologists and technicians	1,627	1,786	159	10%	\$29.58
29-2071	Medical records and health information technicians	1,548	1,701	153	10%	\$13.73
25-2011	Preschool teachers, except special education	5,992	6,503	511	9%	\$10.61
29-2061	Licensed practical and licensed vocational nurses	5,552	6,070	518	9%	\$20.66
43-6013	Medical secretaries	8,308	8,958	650	8%	\$12.88
49-3031	Bus and truck mechanics and diesel engine specialists	4,538	4,899	361	8%	\$17.47
49-3023	Automotive service technicians and mechanics	7,659	8,216	557	7%	\$17.28
43-6012	Legal secretaries	2,403	2,526	123	5%	\$18.24
49-3011	Aircraft mechanics and service technicians	1,646	1,680	34	2%	\$25.63
39-5012	Hairdressers, hairstylists, and cosmetologists	2,379	1,597	-782	-33%	\$9.12

Source: EMSI Complete Employment - Fall 2008

## Highest Paying Occupations

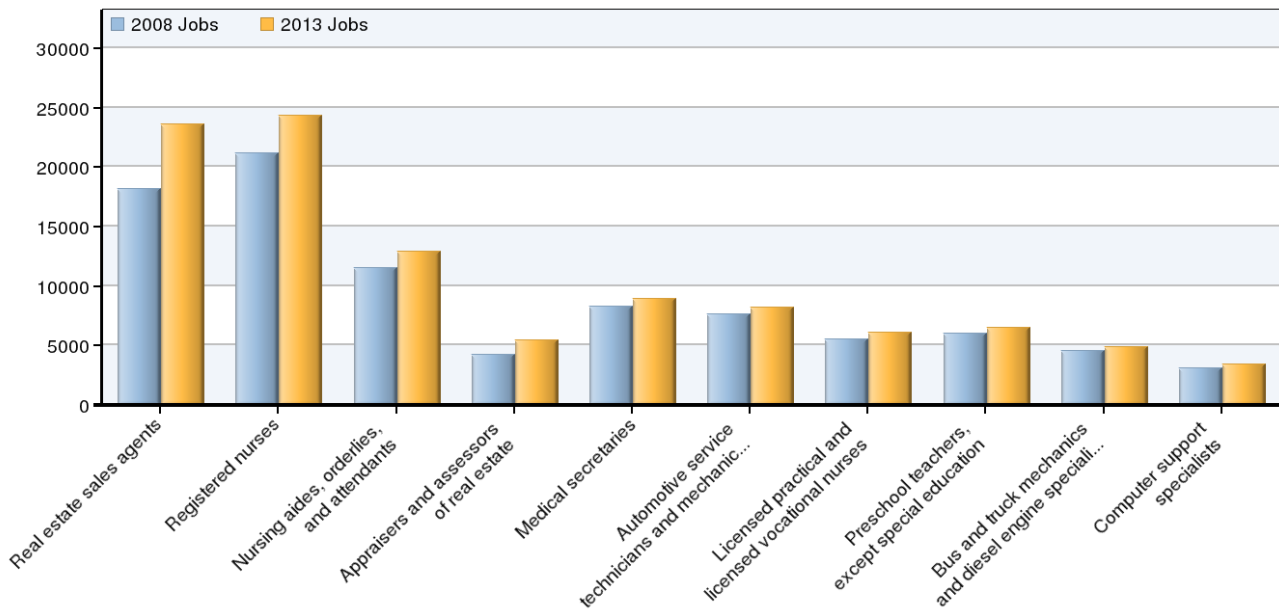


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29-2021	Dental hygienists	1,452	1,664	212	15%	\$38.90
29-1111	Registered nurses	21,194	24,288	3,094	15%	\$36.70
29-1124	Radiation therapists	105	119	14	13%	\$49.77
29-1126	Respiratory therapists	1,086	1,225	139	13%	\$27.70
19-4041	Geological and petroleum technicians	240	270	30	12%	\$31.05
29-9012	Occupational health and safety technicians	53	59	6	11%	\$27.49
29-2032	Diagnostic medical sonographers	521	572	51	10%	\$30.62
29-2034	Radiologic technologists and technicians	1,627	1,786	159	10%	\$29.58
17-3023	Electrical and electronic engineering technicians	1,326	1,462	136	10%	\$28.32
33-3031	Fish and game wardens	65	71	6	9%	\$39.29
29-2033	Nuclear medicine technologists	243	262	19	8%	\$42.31
15-1099	Computer specialists, all other	1,258	1,362	104	8%	\$30.38
49-2091	Avionics technicians	125	134	9	7%	\$32.96
53-5031	Ship engineers	36	38	2	6%	\$29.57
17-3029	Engineering technicians, except drafters, all other	1,009	1,060	51	5%	\$29.66
49-2093	Electrical and electronics installers and repairers, transportation equipment	204	213	9	4%	\$29.48
29-2054	Respiratory therapy technicians	108	111	3	3%	\$32.61
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay	148	153	5	3%	\$29.08
53-2012	Commercial pilots	689	706	17	2%	\$32.70
19-4051	Nuclear technicians	78	78	0	0%	\$32.22

Source: EMSI Complete Employment - Fall 2008

\*Note: Occupations with fewer than 10 employees are not shown.

## Fastest Growing Occupations



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Source: EMSI Complete Employment - Fall 2008

## **Data Sources and Calculations**

### **Occupation Data**

Organizing regional employment information by occupation provides a workforce-oriented view of the regional economy. EMSI's occupation data are based on EMSI's industry data and regional staffing patterns taken from the Occupational Employment Statistics program (U.S. Bureau of Labor Statistics). Wage information is partially derived from the American Community Survey. The occupation-to-program (SOC-to-CIP) crosswalk is based on one from the U.S. Department of Education, with customizations by EMSI.

### **State Data Sources**

This report uses state data from the following agencies: California Labor Market Information Department.