



MANUFACTURING AND PRODUCT DEVELOPMENT

The Manufacturing and Product Development Sector provides a foundation in manufacturing processes and systems. Manufacturing is the use of tools and labor to make products to sell. Product development involves the creation of an idea and the subsequent design and process that results in a product for sale. This sector is closely related to engineering and industrial design. An important part of California's economy, this sector produces a wide range of products from sophisticated electronic/computer related equipment to the simplest of toys. As our world becomes more dependent on electronics, students with training and education in manufacturing and product development will continue to be in high demand. The Manufacturing and Product Development Sector is for students who enjoy working with their hands, building or designing infrastructures, and expressing themselves artistically.

The information below is just a small sample of the many great employment related resources available on the State of California website www.edd.ca.gov. We encourage you to visit the website and explore the available information.

Occupation Title	Employment Levels in 2006	Projected Employment level 2016	Projected Job Growth	Percent of Job Growth	2008 Hourly ¹ Mean Wage	2008 ² Weekly Mean Wage	2008 ³ Monthly Mean Wage	2008 Annual Mean Wage
Advertising Sales Agents	21,000	25,300	4,300	20.5%	\$27.70	\$1,108.00	\$4,653.60	\$55,843.20
Assemblers & Fabricators	32,400	33,500	1,100	3.4%	\$13.18	\$527.20	\$2,214.24	\$26,570.88
Commercial & Industrial Designers	5,900	6,600	700	11.9%	\$36.46	\$1,458.40	\$6,125.28	\$73,503.36
Computer Programmers	36,900	35,700	-1,200	-3.3%	\$39.10	\$1,564.00	\$6,568.80	\$78,825.60
Desktop Publishers	2,900	2,900	0	0.0%	\$19.87	\$794.80	\$3,338.16	\$40,057.92
Editors	14,100	15,600	1,500	10.6%	\$28.04	\$1,121.60	\$4,710.72	\$56,528.64
Graphic Designers	36,700	41,800	5,100	13.9%	\$25.99	\$1,039.60	\$4,366.32	\$52,395.84
Industrial Production Managers	19,400	20,300	900	4.6%	\$46.51	\$1,860.40	\$7,813.68	\$93,764.16
Machine Operators	5,200	5,400	200	3.9%	\$12.71	\$508.40	\$2,135.28	\$25,623.36
Machinists	32,500	36,000	3,500	10.8%	\$18.83	\$753.20	\$3,163.44	\$37,961.28
Maintenance Mechanics	133,000	149,300	16,300	12.3%	\$18.63	\$745.20	\$3,129.84	\$37,558.08
Mechanical Engineers	24,000	25,800	1,800	7.5%	\$41.09	\$1,643.60	\$6,903.12	\$82,837.44
Multi Media Artists & Animators	27,900	36,800	8,900	31.9%	\$38.98	\$1,559.20	\$6,548.64	\$78,583.68
Network Administrators	32,400	42,200	9,800	30.2%	\$37.67	\$1,506.80	\$6,328.56	\$75,942.72
Network Systems Analysts	28,900	45,900	17,000	58.8%	\$37.23	\$1,489.20	\$6,254.64	\$75,055.68
Photographers	13,800	15,900	2,100	15.2%	\$22.69	\$907.60	\$3,811.92	\$45,743.04
Production Managers	19,400	20,300	900	4.6%	\$46.51	\$1,860.40	\$7,813.68	\$93,764.16
Secondary School Teachers	119,100	140,600	21,500	18.1%	\$31.52	\$1,260.80	\$5,295.36	\$63,544.32
Structural Steel & Iron Workers	5,100	5,500	400	7.8%	\$24.78	\$991.20	\$4,163.04	\$49,956.48
Technical Writers	7,200	8,600	1,400	19.4%	\$37.20	\$1,488.00	\$6,249.60	\$74,995.20
Welders, Cutters, Solderers, & Brazers	31,200	35,400	4,200	13.5%	\$17.06	\$682.40	\$2,866.08	\$34,392.96

These selected occupations with information on job growth, percent growth and earning potentials are based on information found at www.labormarketinfo.edd.ca.gov

¹ **Mean:** Midpoint between highest & lowest

² **Weekly:** Based on 40 hours

³ **Monthly:** Based on 168 hours



TIPS FOR JOB SEEKERS

How can you improve your chances of getting a job? Applying for a job is the easy part, but getting it can be more of a challenge. Following these five tips can help you reach your goal:

1 The Job

- Determine your interests: talk to others and consider your hobbies and talents
- Search “career assessments” on the Internet

2 The Resume

- Should be easy to read: not too long, too wordy or too cluttered
- Make it powerful
- Show you can cooperate, you can learn, and you can do

3 The Application

- Make it neat, complete and accurate
- Include recommendations from teachers, employers, coaches, friends, etc.

4 The Interview

- Show enthusiasm: it separates the winners from the losers
- Dress appropriately/similar to those on the job

5 The Follow-up

- Send a thank you note
- Call to see if a decision has been made
- If not, ask, “Am I still a candidate?”
- If you are, ask, “Is it okay if I call back in a couple of days?”



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