



at Santa Fe Springs & Paramount

CONSTRUCTION SECTOR

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SOUTHEAST AREA SOCIAL SERVICES FUNDING AUTHORITY (SASSFA)
CONSTRUCTION SECTOR OCCUPATION SUMMARY
EDD EMPLOYMENT PROJECTIONS 2012-2022

Los Angeles County

12/21/2015

Item #	SOC CODE #	Occupational Title	Occupation Search Key Word	Median Hourly	Jobs Estimated 2012	Jobs Projected 2022	Number	Job Change %	Annual Average Openings
1	47-2061	Construction Laborers	Construction	\$20.20	21,320	26,310	4,990	23.4%	955
2	47-2031	Carpenters	Construction	\$24.08	17,630	21,830	4,200	23.8%	637
3	47-2111	Electricians	Construction	\$30.44	11,100	13,390	2,290	20.6%	438
4	47-2141	Painters, Construction & maintenance	Construction	\$22.67	8,420	11,230	2,810	33.4%	409
5	47-2152	Plumbers, Pipefitters & Steamfitters	Construction	\$30.38	8,200	10,060	1,860	22.7%	288
6	47-2081	Drywall & Ceiling Tile Installers	Construction	\$24.89	3,900	5,310	1,410	36.2%	178
7	47-2181	Roofers	Construction	\$20.43	2,290	2,800	510	22.3%	99
8	47-2051	Cement Masons and Concrete Finishers	Construction	\$24.79	1,930	2,560	630	32.6%	84
9	47-2211	Sheet Metal Workers	Construction	\$25.84	2,270	2,650	380	16.7%	81
10	47-2044	Tile & Marble Setters	Construction	\$16.01	1,450	1,970	520	35.9%	78
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SOUTHEAST AREA SOCIAL SERVICES FUNDING AUTHORITY (SASSFA)
CAREERS IN THE ARCHITECTURE & CONSTRUCTION SECTOR

<p>Definition: Architecture & Construction involves careers in designing, planning, managing, building and maintaining the built environment. Below is a summary of sample occupations involved in the Architecture & Construction Sector, organized by several career pathways¹. The information is provided as an overview to careers/jobs in the Architecture & Construction Sector.</p>					
Sample of Career Specialties / Occupations	<p>Architect * Architecture and Civil Drafter* Civil Engineer (structural, geotechnical, Transportation, etc.) * Civil Engineering Technician * Code Official * Computer Aided Drafter (CAD) * Cost Estimator * Drafter * Electrical and Electronic Engineering Technician * Electrical Engineer (electronics, security, telecommunications) * Environmental Designer * Environmental Engineer (hydro engineering, acoustical, etc.) * Environmental Engineering Technician * Fire Prevention and Industrial Engineer * Interior Designer * Landscape Designer * Landscape Architect * Materials Engineer * Mechanical Drafter * Mechanical Engineer (HVAC, plumbing, fire protection, etc.) * Modeler (traditional and computer) Planner/Designer * Preservationist * Programmer * Protection Engineer * Regional and Urban Renderer (traditional and computer) * Specifications Writer * Building Surveying and Mapping Technician * Surveyor *</p>	<p>Boilermaker * Carpenter * Carpet Installer * Concrete Finisher * Construction Craft Laborer * Construction Engineer * Construction Foreman * Construction Inspector * Construction Manager * Drywall Installer * Education and Training Director/Coordinator * Electrical & Power Transmission Installer * Electrician * Electronic Systems Technician * Elevator Installer * Equipment and Material Manager * Estimator * Explosives Worker * Field Supervisor * Floor Layer * General Contractor Builder * Glazier * Heating, Ventilation, Air Conditioning and Refrigeration Mechanic * Insulation Worker * Iron/Metalworker (instructional and reinforcing) * Landscaper/Groundkeeper * Lineworker * Manufacturer's Representative *</p>	<p>Mason* Millwright * Painter * Paperhanger * Pipe Fitter * Pipelayer * Pipeline Installer * Plasterer/Drywall * Plumber * Preservationist * Project Inspector * Project Manager * Roofer * Safety Director * Sales and Marketing Manager * Scheduler * Security and Fire Alarm Systems Installer * Service Contractor * Sheet Metal Worker * Specialty Contractor * Specialty Trades Subcontractor * Steamfitter * Subcontractor * Superintendent * System Installer * Terrazo Worker and Finisher * Tile and Marble Setter *</p>	<p>Boilermaker * Carpenter* Carpet Installer * Concrete Finisher * Construction Manager * Construction Engineer * Construction Foreman * Construction Inspector * Cost Estimator * Demolition Engineer * Drywall Installer * Electrician * Electrician * Elevator Installer * Environmental Engineer * Equipment and Material Manager * Estimator * Facilities Engineer * Field Supervisor * General Maintenance Contractor * Glazier * Hazardous Materials Remover * Heating, Ventilation, Air Conditioning and Refrigeration Mechanic * Heavy Equipment Operator * Highway Maintenance Worker * Hydro Testing Technician * Insulation Worker * Iron/Metalworker (structural and reinforcing) * Landscaper/Groundskeeper * Maintenance Estimator * Maintenance Planner/Scheduler * Manufacturer's Representative *</p>	<p>Mason * Millwright * Operating Engineer * Paperhanger * Pipe Fitter * Pipelayer * Plumber * Preservationist * Project Inspector * Project Manager * Refractory Technician * Relay Technician * Reliability Engineer * Remodeler * Restoration Technician * Safety Director * Sales and Marketing Manager * Scheduler * Security and Fire Alarm System Installer * Security Controls Manager * Service Contractor * Sheet Metal Worker * Specialty Trades Contractor * Steamfitter * Subcontractor * Substation Mechanic * Superintendent * System Installer * Terrazo Worker and Finisher * Thermal Control Technician * Tile and Marble Setter * Utility Metering & Reg. Technician * Wastewater Maintenance *</p>
	Pathways	Design/Pre-Construction	Construction	Maintenance/Operations	

Notes: 1. Information based on the Career Cluster Framework for Architecture & Construction developed by the National Career Technical Education Foundation (NCTEF) managed by the National Association of State Directors of Career Technical Education Consortium (NASDCTEc) at <http://www.careertech.org/career-clusters>.

SOUTHEAST AREA SOCIAL SERVICES FUNDING AUTHORITY (SASSFA)
CAREERS IN THE ARCHITECTURE & CONSTRUCTION SECTOR

WHICH CAREER IS RIGHT FOR YOU?	CAREER PATHWAYS ²																									
<p>The group of careers encompassing architecture and construction is a rapidly advancing field. From pursuing the traditional trades to applying the latest technologies, from working in the field to running your own company, the choices are many and exciting. It pays to know what jobs are in demand and what kind of work suits your style. This write up will focus on the Construction Sector.</p> <p>According to EDD’s 2012-2022 Employment Projection Highlights for L.A. County, more than 20 percent of the fastest growing occupations are in construction and extraction¹. Page 3 of this document provides a sample listing of occupations in the construction sector. Also listed in the section below are some sample construction occupations with the most jobs in L.A. County and their median wage.</p> <p>Construction is one of the few professions left where you can start at the bottom and end up owning your own company. Construction workers traditionally learn their craft on-the-job, often while working as apprentices. There are many college courses and training programs available in L.A. County to start a career in construction and to enter apprenticeships.</p> <p>The number of women in construction is steadily increasing according to the U. S. Bureau of Labor and Statistics. Nearly one in ten workers in construction is a woman. For more information on opportunities for women in construction visit the National Association of Women in Construction (NAWIC) at http://www.nawic.org/nawic/default.asp.</p> <p>The Architecture & Construction sector has three (3) career pathway options described in the next section of this write up.</p>	<p>Design and Pre-Construction – This pathway involves careers in design/pre-construction that help create our future. People in these careers turn a concept into a set of plans. Their plans guide other construction professionals as they continue the building process.</p> <p>Construction – This pathway includes careers in construction that build our future. People in these careers build and remodel houses, apartments, industrial buildings, warehouses, office buildings, churches, schools and recreational facilities. This pathway also includes the builders of highways, streets, bridges, tunnels and airports as well as power plants, chemical plants, refineries and mills.</p>	<p>Maintenance and Operations – This pathway involves careers in maintenance and operations that help keep our future intact. People in these careers unload, inspect, and move new equipment into position. They determine the optimal placement of machines in a plant, assemble machinery, install machinery, repair machinery and perform preventative maintenance. They detect, diagnose and correct minor problems on machinery. They keep the structure of an establishment in good repair. They maintain the smooth operation of refineries, power plants, chemical plants and mills.</p>																								
<p>L.A. County Construction Sector Sample Occupations with the Most Openings¹</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">-Construction Laborers</td> <td style="width: 25%;">Med. Wage \$ 20.20/hr.</td> <td style="width: 25%;">– Painters, Construction & Maint.</td> <td style="width: 25%;">Med. Wage \$22.67/hr.</td> </tr> <tr> <td>-Carpenters</td> <td>Med. Wage \$ 24.08/hr.</td> <td>–Plumbers, Pipefitters & Steamfitters</td> <td>Med. Wage \$30.38/hr.</td> </tr> <tr> <td>-Electricians</td> <td>Med. Wage \$ 30.44/hr.</td> <td>–Drywall & Ceiling Tile Installers</td> <td>Med. Wage \$24.89/hr.</td> </tr> <tr> <td></td> <td></td> <td>–Roofers.</td> <td>Med. Wage \$20.43/hr.</td> </tr> <tr> <td></td> <td></td> <td>–Cement Masons & Finishers</td> <td>Med. Wage \$15.08/hr.</td> </tr> <tr> <td></td> <td></td> <td>–Sheet Metal Workers</td> <td>Med. Wage \$25.84/hr.</td> </tr> </table>			-Construction Laborers	Med. Wage \$ 20.20/hr.	– Painters, Construction & Maint.	Med. Wage \$22.67/hr.	-Carpenters	Med. Wage \$ 24.08/hr.	–Plumbers, Pipefitters & Steamfitters	Med. Wage \$30.38/hr.	-Electricians	Med. Wage \$ 30.44/hr.	–Drywall & Ceiling Tile Installers	Med. Wage \$24.89/hr.			–Roofers.	Med. Wage \$20.43/hr.			–Cement Masons & Finishers	Med. Wage \$15.08/hr.			–Sheet Metal Workers	Med. Wage \$25.84/hr.
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2. See reference note 1 on page thee.