

# KIPDA Area Occupational Outlook to 2018



Education and Workforce Development Cabinet  
Department of Workforce Investment  
Office of Employment and Training



**KIPDA Area  
Occupational Outlook to 2018**

**STEVEN L. BESHEAR  
Governor**

**A LABOR MARKET INFORMATION PUBLICATION BY:  
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**EQUAL OPPORTUNITY EMPLOYER/PROGRAM**

**AUXILIARY AIDS AND SERVICES ARE AVAILABLE UPON REQUEST TO INDIVIDUALS WITH DISABILITIES**

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## TABLE OF CONTENTS

	<b>PAGE</b>
<b>PREFACE</b>	<b>2</b>
<b>INTRODUCTION</b>	<b>3</b>
<b>HIGHLIGHTS</b>	<b>4</b>
<b>A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS</b>	<b>5</b>
<b>FASTEST GROWING AREA OCCUPATIONS</b>	<b>6</b>
<b>OCCUPATIONS WITH MOST ANNUAL JOB OPENINGS</b>	<b>8</b>
<b>EXPLANATION OF DATA ELEMENTS IN THE OCCUPATIONAL OUTLOOK TABLE</b>	<b>10</b>
<b>AREA EMPLOYMENT OUTLOOK AND JOB OPENINGS TABLE</b>	<b>11</b>
<b>EDUCATION AND TRAINING CLASSIFICATION</b>	<b>49</b>
<b>ALPHABETICAL INDEX OF OCCUPATIONS</b>	<b>50</b>

## PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2018. Staff utilized data from all programs to create the 2018 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

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## INTRODUCTION

### KIPDA Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *KIPDA Area Occupational Outlook to 2018* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors and others will find this information beneficial.

Tables listing the 50 occupations with the largest number of annual job openings and the 50 fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change and the average number of annual job openings for the period 2008 to 2018.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2008 through 2018. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

**NOTE:** Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2008-2018 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2008-2018 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

**KIPDA  
HIGHLIGHTS  
2008-2018**

- ✓ Employment is projected to grow from 527,608 to 570,576, a gain of 8.1 percent.
- ✓ Total annual job openings are expected to be about 16,900.
- ✓ Growth in employment will create about 5,056 job openings annually.
- ✓ Approximately 11,844 annual job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty percent of job openings will result from growth; the remaining 70 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Office and Administrative Support Occupations (2,575), followed by Sales and Related Occupations (2,031) and Food Preparation and Serving Related Occupations (1,786).
- ✓ The two occupations with the largest projected number of annual job openings are Retail Salespersons (569) and Cashiers (554).
- ✓ The highest growth rates among occupational groups are likely to be in Occupational and Physical Therapist Assistant and Aide Occupations (28.9%), followed by Other Healthcare Support Occupations (24.5%) and Postsecondary Teacher Occupations (24.2%).
- ✓ Some specific occupations with the largest percentage change are Network Systems and Data Communications Analysts (52.8%), Home Health Aides (43.9%) and Computer Software Engineers, Applications (42.5%).

## USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

<p>When looking at an occupation, what key outlook data should you review?</p>	<p><b>1)</b> Total average annual job openings, and <b>2)</b> employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.</p>
<p>What creates job openings?</p>	<p><b>1)</b> Employment growth (new jobs), and <b>2)</b> employment separations (job vacancies created by persons separating from an occupation).</p>
<p>What causes employment change?</p>	<p><i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.</p>
<p>What about employment separations?</p>	<p>Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.</p>
<p>Do workers tend to leave one occupation more than other occupations?</p>	<p>Every occupation has a different rate of employment separation. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.</p>
<p>What factors affect the number of job openings for an occupation?</p>	<p><b>1)</b> The number of workers who are currently employed, <b>2)</b> the number of job vacancies created by worker separation, and <b>3)</b> the rate of change, i.e., how fast the occupation is growing or declining.</p>
<p>Which factor is more important?</p>	<p>The size of employment and separation rate is more important than rate of change.</p>
<p>What is the best way to compare one occupation with another?</p>	<p>Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.</p>

**Top 50  
Fastest Growing KIPDA Area Occupations**

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
1	15-1081	Network Systems & Data Communications Analysts	1,200	1,834	634	<b>52.8</b>	87
2	25-9021	Farm and Home Management Advisors	35	52	17	<b>48.6</b>	3
3	31-1011	Home Health Aides	618	889	271	<b>43.9</b>	33
4	15-1031	Computer Software Engineers, Applications	2,261	3,221	960	<b>42.5</b>	129
5	39-9021	Personal and Home Care Aides	1,212	1,719	507	<b>41.8</b>	72
6	39-5092	Manicurists and Pedicurists	211	299	88	<b>41.7</b>	11
7	21-1014	Mental Health Counselors	417	589	172	<b>41.2</b>	25
8	31-9092	Medical Assistants	2,146	2,911	765	<b>35.6</b>	104
9	29-2056	Veterinary Technologists and Technicians	308	415	107	<b>34.7</b>	20
10	19-4092	Forensic Science Technicians	33	44	11	<b>33.3</b>	2
11	29-2052	Pharmacy Technicians	1,577	2,100	523	<b>33.2</b>	100
12	39-9041	Residential Advisors	573	761	188	<b>32.8</b>	35
13	31-2021	Physical Therapist Assistants	190	252	62	<b>32.6</b>	8
14	17-3025	Environmental Engineering Technicians	34	45	11	<b>32.4</b>	2
15	21-2011	Clergy	145	191	46	<b>31.7</b>	7
16	17-2081	Environmental Engineers	193	254	61	<b>31.6</b>	12
17	21-1011	Substance Abuse & Behavioral Disorder Couns.	261	343	82	<b>31.4</b>	13
18	29-1131	Veterinarians	223	293	70	<b>31.4</b>	11
19	19-4091	Environmental Sci. & Protection Techs., Incl. Health	103	135	32	<b>31.1</b>	7
20	51-9082	Medical Appliance Technicians	84	110	26	<b>31.0</b>	5
21	15-1061	Database Administrators	634	827	193	<b>30.4</b>	26
22	39-3099	Entertainment Attend. & Related Workers, Other	156	203	47	<b>30.1</b>	13
23	31-2012	Occupational Therapist Aides	40	52	12	<b>30.0</b>	2
24	19-1031	Conservation Scientists	85	110	25	<b>29.4</b>	6
25	21-1022	Medical and Public Health Social Workers	408	526	118	<b>28.9</b>	21



**Top 50 (cont.)  
Fastest Growing KIPDA Area Occupations**

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
26	29-2021	Dental Hygienists	610	783	173	<b>28.4</b>	29
27	29-1071	Physician Assistants	108	138	30	<b>27.8</b>	5
28	31-9091	Dental Assistants	1,054	1,343	289	<b>27.4</b>	47
29	21-1093	Social and Human Service Assistants	755	961	206	<b>27.3</b>	30
30	31-2011	Occupational Therapist Assistants	81	103	22	<b>27.2</b>	3
31	25-1124	Foreign Language and Literature Teachers, Post. **	52	66	14	<b>26.9</b>	2
32	25-1121	Art, Drama, and Music Teachers, Postsecondary **	192	243	51	<b>26.6</b>	8
33	25-1125	History Teachers, Postsecondary **	46	58	12	<b>26.1</b>	2
34	51-9081	Dental Laboratory Technicians	250	315	65	<b>26.0</b>	12
35	25-1082	Library Science Teachers, Postsecondary **	31	39	8	<b>25.8</b>	2
36	17-1021	Cartographers and Photogrammetrists	105	132	27	<b>25.7</b>	6
37	29-1123	Physical Therapists	405	509	104	<b>25.7</b>	15
38	31-2022	Physical Therapist Aides	184	231	47	<b>25.5</b>	7
39	29-1122	Occupational Therapists	286	359	73	<b>25.5</b>	11
40	29-2031	Cardiovascular Technologists and Technicians	452	567	115	<b>25.4</b>	18
41	25-1081	Education Teachers, Postsecondary **	205	257	52	<b>25.4</b>	8
42	53-2021	Air Traffic Controllers	75	94	19	<b>25.3</b>	4
43	25-1032	Engineering Teachers, Postsecondary **	79	99	20	<b>25.3</b>	3
44	53-1011	Aircraft Cargo Handling Supervisors	329	412	83	<b>25.2</b>	15
45	25-1066	Psychology Teachers, Postsecondary **	72	90	18	<b>25.0</b>	3
46	25-1191	Graduate Teaching Assistants	227	283	56	<b>24.7</b>	10
47	25-1122	Communications Teachers, Postsecondary **	69	86	17	<b>24.6</b>	3
48	25-1071	Health Specialties Teachers, Postsecondary **	866	1,078	212	<b>24.5</b>	36
49	25-1072	Nursing Instructors & Teachers, Postsecondary **	119	148	29	<b>24.4</b>	5
50	25-1011	Business Teachers, Postsecondary **	115	143	28	<b>24.3</b>	5

**Top 50**  
**KIPDA Area Occupations with Most Annual Job Openings**

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
1	41-2031	Retail Salespersons	13,903	15,311	1,408	10.1	569
2	41-2011	Cashiers	11,657	11,433	-224	-1.9	554
3	35-3031	Waiters and Waitresses	8,864	9,420	556	6.3	538
4	29-1111	Registered Nurses	13,151	15,903	2,752	20.9	492
5	43-4051	Customer Service Representatives	9,652	11,610	1,958	20.3	465
6	53-7062	Laborers & Freight, Stock & Material Movers, Hand	11,879	12,062	183	1.5	398
7	35-3021	Combined Food Preparation & Service Workers	10,290	11,782	1,492	14.5	344
8	39-9011	Child Care Workers	4,772	5,649	877	18.4	225
9	37-2011	Janitors & Cleaners, Excl. Maids & Housekeeping	6,773	7,646	873	12.9	217
10	31-1012	Nursing Aides, Orderlies, and Attendants	6,931	8,452	1,521	21.9	214
11	43-4171	Receptionists and Information Clerks	5,245	6,029	784	14.9	206
12	53-3032	Truck Drivers, Heavy and Tractor-Trailer	7,084	7,744	660	9.3	192
13	43-5081	Stock Clerks and Order Fillers	7,967	7,653	-314	-3.9	189
14	43-6011	Executive Secretaries & Admin. Assistants	6,879	7,560	681	9.9	178
15	11-1021	General and Operations Managers	7,162	7,019	-143	-2.0	173
16	43-9061	Office Clerks, General	6,691	7,181	490	7.3	172
17	41-4012	Sales Reps., Wholesale & Manuf., Excl. Tech. & Sci.	6,206	6,539	333	5.4	170
18	43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,819	7,398	579	8.5	165
19	41-2021	Counter and Rental Clerks	2,847	3,335	488	17.1	158
20	41-1011	Managers of Retail Sales Workers	6,216	6,458	242	3.9	154
21	43-1011	Managers of Office & Admin. Support Workers	6,516	6,679	163	2.5	151
22	43-5071	Shipping, Receiving, and Traffic Clerks	4,943	5,201	258	5.2	144
23	53-7051	Industrial Truck and Tractor Operators	5,680	5,508	-172	-3.0	143
24	51-2092	Team Assemblers	6,865	6,450	-415	-6.0	143
25	41-3099	Sales Representatives, Services, All Other	3,281	3,916	635	19.4	141

**Top 50 (cont.)**  
**KIPDA Area Occupations with Most Annual Job Openings**

Rank	Code	Occupational Title	Employment		Change		Avg. Annual Openings
			2008	2018	Number	Percent	
26	53-2011	Airline Pilots, Copilots, and Flight Engineers	3,191	3,636	445	13.9	<b>138</b>
27	37-2012	Maids and Housekeeping Cleaners	4,305	4,820	515	12.0	<b>133</b>
28	35-3022	Counter Attendants, Cafeteria & Food Concession	1,695	1,814	119	7.0	<b>130</b>
29	15-1031	Computer Software Engineers, Applications	2,261	3,221	960	42.5	<b>129</b>
30	35-2021	Food Preparation Workers	2,536	2,902	366	14.4	<b>125</b>
31	13-2011	Accountants and Auditors	3,720	4,253	533	14.3	<b>118</b>
32	33-9032	Security Guards	3,594	4,033	439	12.2	<b>117</b>
33	29-2061	Licensed Practical & Licensed Voc. Nurses	2,676	3,098	422	15.8	<b>115</b>
34	53-3033	Truck Drivers, Light or Delivery Services	4,281	4,584	303	7.1	<b>106</b>
35	35-9031	Hosts & Hostesses, Restaurant & Lounge	1,439	1,523	84	5.8	<b>106</b>
36	31-9092	Medical Assistants	2,146	2,911	765	35.6	<b>104</b>
37	51-2099	Assemblers and Fabricators, All Other	4,979	4,386	-593	-11.9	<b>103</b>
38	47-2111	Electricians	2,734	3,052	318	11.6	<b>102</b>
39	29-2052	Pharmacy Technicians	1,577	2,100	523	33.2	<b>100</b>
40	25-2031	Sec. School Teachers, Excl. Special and Voc. Ed. **	2,652	2,833	181	6.8	<b>97</b>
41	47-2031	Carpenters	3,316	3,807	491	14.8	<b>94</b>
42	43-3011	Bill and Account Collectors	2,638	3,167	529	20.1	<b>93</b>
43	47-2152	Plumbers, Pipefitters, and Steamfitters	2,516	2,908	392	15.6	<b>91</b>
44	25-9041	Teacher Assistants **	3,628	3,948	320	8.8	<b>91</b>
45	35-2014	Cooks, Restaurant	2,660	2,841	181	6.8	<b>90</b>
46	13-1199	Business Operations Specialists, All Other	3,027	3,593	566	18.7	<b>89</b>
47	15-1081	Network Systems & Data Communications Analysts	1,200	1,834	634	52.8	<b>87</b>
48	11-9021	Construction Managers	2,339	2,825	486	20.8	<b>85</b>
49	35-3011	Bartenders	1,955	2,073	118	6.0	<b>83</b>
50	15-1051	Computer Systems Analysts	1,619	1,967	348	21.5	<b>78</b>

## Explanation of Data Elements in the Occupational Outlook Table

# Occupational Employment Outlook

Occupational		Employment 2008      2018		Job Growth 2008      2018		Average Annual Job Openings			Average Wage	Education/ Training Required		
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010			
<p><b>Occupational Codes &amp; Titles</b> used in this report are based on the Standard Occupational Coding (SOC) structure.</p> <p><b>NOTE:</b> Alphabetical listing beginning on page 50 will help locate a specific occupation within the tables.</p>		<p><b>Estimated</b> 2008 employment is based on the Occupational Employment Statistics (OES) Survey of employers.</p> <p><b>Projected</b> 2018 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2008 and 2018.</p> <p><b>NOTE:</b> The occupational employment estimates for 2008 to 2018 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</p>		<p><b>Number</b> The total number of jobs in an occupation gained or lost over the 2008 to 2018 period.</p> <p><b>Percent</b> Percent change in employment in an occupation over the 10 year period.</p> <p><b>NOTE:</b> In Kentucky, the average growth for all occupations is projected to be 7.5 percent between 2008-2018.</p> <p>The growth of an occupation is classified as one of the following based on its percent change:</p> <ol style="list-style-type: none"> <li>1) Declining (&lt; -4.0%)</li> <li>2) Stable (-4.0% - 4.0%)</li> <li>3) Growing (4.1% - 10.0%)</li> <li>4) Fast Growing (10.1% - 15.0%)</li> <li>5) Very Fast Growing (&gt; 15.0%)</li> </ol>		<p><b>Growth</b> Provides estimates of the average number of job openings expected to occur due to employment growth each year between 2008 and 2018.</p> <p><b>Separations</b> Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers.</p> <p><b>Total</b> The sum of openings due to <b>growth</b> and openings due to <b>separations</b> for an occupation.</p> <p><b>NOTE:</b> If employment growth is negative, the total number of job openings will equal the number of separations.</p>			<p><b>Average Wage</b> in this report always refers to the 2010 <b>statewide</b> mean hourly wage for each occupation.</p> <p><b>NOTE:</b> For area-specific wage information, please visit the <b>Occupational Wages</b> section of our web site.</p>		<p><b>Education and/or Training Levels Required</b> are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11).</p> <p><b>NOTE:</b> The various categories are described in detail on page 49 of this report.</p>	

# KIPDA Area

## Management Occupations

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>00-0000 Total, All Occupations</b>		<b>527,608</b>	<b>570,576</b>	<b>42,968</b>	<b>8.15</b>	<b>5,056</b>	<b>11,844</b>	<b>16,900</b>	<b>18.21</b>	<b>n/a</b>
<b>11-0000 Management Occupations</b>		<b>30,713</b>	<b>32,195</b>	<b>1,482</b>	<b>4.80</b>	<b>175</b>	<b>659</b>	<b>834</b>	<b>40.00</b>	<b>n/a</b>
<b>11-1000</b>	<b>Top Executives</b>	<b>9,053</b>	<b>8,870</b>	<b>-183</b>	<b>-2.00</b>	<b>0</b>	<b>224</b>	<b>224</b>	<b>n/a</b>	<b>n/a</b>
11-1011	Chief Executives	1,868	1,827	-41	-2.20	0	51	51	66.40	4
11-1021	General and Operations Managers	7,162	7,019	-143	-2.00	0	173	173	42.16	4
11-1031	Legislators	*	*	*	*	*	*	*	14.31	4
<b>11-2000</b>	<b>Adv., Market., Promo., P.R. &amp; Sales Managers</b>	<b>2,574</b>	<b>2,704</b>	<b>130</b>	<b>5.05</b>	<b>13</b>	<b>58</b>	<b>71</b>	<b>n/a</b>	<b>n/a</b>
11-2011	Advertising and Promotions Managers	138	134	-4	-2.90	0	3	3	27.94	4
11-2021	Marketing Managers	756	802	46	6.08	5	17	22	45.99	4
11-2022	Sales Managers	1,138	1,163	25	2.20	3	25	28	44.25	4
11-2031	Public Relations Managers	542	605	63	11.62	6	13	19	33.19	4
<b>11-3000</b>	<b>Operations Specialties Managers</b>	<b>6,635</b>	<b>6,903</b>	<b>268</b>	<b>4.04</b>	<b>34</b>	<b>139</b>	<b>173</b>	<b>n/a</b>	<b>n/a</b>
11-3011	Administrative Services Managers	672	715	43	6.40	4	18	22	33.25	4
11-3021	Computer and Information Systems Mgrs.	1,027	1,119	92	8.96	9	17	26	45.86	4
11-3031	Financial Managers	2,561	2,706	145	5.66	15	37	52	39.81	4
11-3041	Compensation and Benefits Managers	89	89	0	0.00	0	2	2	34.01	4
11-3042	Training and Development Managers	124	130	6	4.84	1	2	3	33.75	4
11-3049	Human Resources Managers, All Other	476	500	24	5.04	2	9	11	41.11	4
11-3051	Industrial Production Managers	840	780	-60	-7.14	0	29	29	39.37	8
11-3061	Purchasing Managers	322	307	-15	-4.66	0	9	9	40.82	4
11-3071	Transportation, Storage, & Distribution Mgrs.	524	557	33	6.30	3	16	19	37.37	8
<b>11-9000</b>	<b>Other Management Occupations</b>	<b>12,451</b>	<b>13,718</b>	<b>1,267</b>	<b>10.18</b>	<b>127</b>	<b>239</b>	<b>366</b>	<b>n/a</b>	<b>n/a</b>
11-9011	Farm, Ranch, and Other Agricultural Mgrs.	411	416	5	1.22	1	3	4	22.66	4
11-9012	Farmers and Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Managers	2,339	2,825	486	20.78	49	36	85	32.81	5
11-9031	Education Admin., Preschool and Child Care	138	152	14	10.14	1	4	5	22.74	4
11-9032	Education Admin., Elementary and Secondary	723	788	65	8.99	7	20	27	n/a	4
11-9033	Education Administrators, Postsecondary	224	260	36	16.07	4	6	10	43.87	4
11-9039	Education Administrators, All Other	34	39	5	14.71	1	1	2	30.69	4
11-9041	Engineering Managers	513	522	9	1.75	1	10	11	48.32	4
11-9051	Food Service Managers	1,556	1,575	19	1.22	2	37	39	22.26	8

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Management Occupations (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
11-9061	Funeral Directors	155	187	32	20.65	3	4	7	21.15	6
11-9071	Gaming Managers	*	*	*	*	*	*	*	n/a	8
11-9081	Lodging Managers	213	218	5	2.35	1	5	6	23.20	8
11-9111	Medical and Health Services Managers	1,469	1,709	240	16.34	24	27	51	39.34	4
11-9121	Natural Sciences Managers	70	78	8	11.43	1	2	3	41.56	4
11-9131	Postmasters and Mail Superintendents	42	38	-4	-9.52	0	1	1	26.93	8
11-9141	Property, Real Estate, Community Assoc. Mgrs.	1,152	1,244	92	7.99	9	16	25	21.35	5
11-9151	Social and Community Service Managers	551	639	88	15.97	9	11	20	26.19	5
11-9199	Managers, All Other	2,840	3,005	165	5.81	17	57	74	39.25	8

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Business & Financial Operations Occs.

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>13-0000 Business and Financial Operations Occupations</b>		<b>21,796</b>	<b>24,113</b>	<b>2,317</b>	<b>10.63</b>	<b>240</b>	<b>385</b>	<b>625</b>	<b>26.17</b>	<b>n/a</b>
<b>13-1000</b>	<b>Business Operations Specialists</b>	<b>12,774</b>	<b>14,124</b>	<b>1,350</b>	<b>10.57</b>	<b>139</b>	<b>232</b>	<b>371</b>	<b>n/a</b>	<b>n/a</b>
13-1011	Agents & Mgrs.- Artists, Performers & Athletes	*	*	*	*	*	*	*	39.68	4
13-1021	Purchasing Agents and Buyers, Farm Products	45	44	-1	-2.22	0	1	1	30.22	9
13-1022	Wholesale & Retail Buyers, Excl. Farm Products	199	186	-13	-6.53	0	5	5	23.51	9
13-1023	Purchasing Agents, Excl. Wholesale, Retail & Farm	775	749	-26	-3.35	0	17	17	24.74	9
13-1031	Claims Adjusters, Examiners, and Investigators	1,634	1,737	103	6.30	10	42	52	26.54	9
13-1032	Insurance Appraisers, Auto Damage	40	43	3	8	0	1	1	24.53	7
13-1041	Compliance Ofcr., Excl. Ag., Constr., Health & Trans.	666	706	40	6.01	4	8	12	22.09	9
13-1051	Cost Estimators	777	930	153	19.69	15	16	31	25.49	5
13-1061	Emergency Management Specialists	*	*	*	*	*	*	*	18.08	8
13-1071	Employment, Recruitment & Placement Specialists	729	786	57	7.82	6	16	22	19.53	5
13-1072	Compensation, Benefits & Job Analysis Specialists	420	461	41	9.76	4	9	13	27.46	5
13-1073	Training and Development Specialists	819	917	98	11.97	10	18	28	23.17	5
13-1079	Human Res., Trng. & Labor Relations Spec., Other	1,495	1,624	129	8.63	13	32	45	23.21	5
13-1081	Logisticians	240	285	45	18.75	5	4	9	30.93	5
13-1111	Management Analysts	1,755	1,892	137	7.81	14	30	44	33.10	4
13-1121	Meeting and Convention Planners	111	126	15	13.51	2	2	4	18.94	5
13-1199	Business Operations Specialists, All Other	3,027	3,593	566	18.70	57	32	89	28.23	5
<b>13-2000</b>	<b>Financial Specialists</b>	<b>9,022</b>	<b>9,989</b>	<b>967</b>	<b>10.72</b>	<b>101</b>	<b>153</b>	<b>254</b>	<b>n/a</b>	<b>n/a</b>
13-2011	Accountants and Auditors	3,720	4,253	533	14.33	53	65	118	26.98	5
13-2021	Appraisers and Assessors of Real Estate	284	338	54	19.01	5	6	11	25.43	6
13-2031	Budget Analysts	240	265	25	10.42	3	6	9	26.60	5
13-2041	Credit Analysts	110	109	-1	-0.91	0	4	4	31.38	5
13-2051	Financial Analysts	643	754	111	17.26	11	4	15	32.06	5
13-2052	Personal Financial Advisors	470	541	71	15.11	7	4	11	33.84	5
13-2053	Insurance Underwriters	401	407	6	1.50	1	11	12	25.05	5
13-2061	Financial Examiners	89	94	5	5.62	1	2	3	34.95	5
13-2071	Loan Counselors	87	90	3	3.45	0	1	1	18.82	5
13-2072	Loan Officers	1,586	1,732	146	9.21	15	17	32	25.15	10
13-2081	Tax Examiners, Collectors, and Revenue Agents	209	226	17	8.13	2	5	7	22.20	5
13-2082	Tax Preparers	306	260	-46	-15.03	0	5	5	13.24	10
13-2099	Financial Specialists, All Other	877	920	43	4.90	4	23	27	25.10	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

# KIPDA Area

## Computer & Mathematical Occupations

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>15-0000 Computer and Mathematical Occupations</b>		<b>11,139</b>	<b>13,680</b>	<b>2,541</b>	<b>22.81</b>	<b>265</b>	<b>238</b>	<b>503</b>	<b>29.46</b>	<b>n/a</b>
<b>15-1000</b>	<b>Computer Specialists</b>	<b>10,762</b>	<b>13,297</b>	<b>2,535</b>	<b>23.56</b>	<b>264</b>	<b>228</b>	<b>492</b>	<b>n/a</b>	<b>n/a</b>
15-1011	Computer and Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	1,131	1,023	-108	-9.55	0	24	24	32.94	5
15-1031	Computer Software Engineers, Applications	2,261	3,221	960	42.46	96	33	129	33.90	5
15-1032	Computer Software Engineers, Systems Software	906	1,049	143	15.78	14	13	27	38.46	5
15-1041	Computer Support Specialists	1,636	1,807	171	10.45	17	51	68	19.31	6
15-1051	Computer Systems Analysts	1,619	1,967	348	21.49	35	43	78	33.94	5
15-1061	Database Administrators	634	827	193	30.44	19	7	26	28.52	5
15-1071	Network and Computer Systems Administrators	900	1,070	170	18.89	17	21	38	25.23	5
15-1081	Network Systems & Data Communications Analysts	1,200	1,834	634	52.83	63	24	87	28.71	5
15-1099	Computer Specialists, All Other	475	499	24	5.05	2	13	15	32.16	6
<b>15-2000</b>	<b>Mathematical Scientists</b>	<b>377</b>	<b>383</b>	<b>6</b>	<b>1.59</b>	<b>1</b>	<b>10</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>
15-2011	Actuaries	*	*	*	*	*	*	*	39.47	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	205	206	1	0.49	0	4	4	32.40	3
15-2041	Statisticians	41	42	1	2	0	1	1	30.18	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	25.65	3

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# KIPDA Area

## Architecture & Engineering Occupations

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>17-0000 Architecture and Engineering Occupations</b>		<b>6,862</b>	<b>7,523</b>	<b>661</b>	<b>9.63</b>	<b>69</b>	<b>160</b>	<b>229</b>	<b>30.16</b>	<b>n/a</b>
<b>17-1000</b>	<b>Architects, Surveyors, and Cartographers</b>	<b>701</b>	<b>810</b>	<b>109</b>	<b>15.55</b>	<b>11</b>	<b>16</b>	<b>27</b>	<b>n/a</b>	<b>n/a</b>
17-1011	Architects, Excl. Landscape and Naval	386	437	51	13.21	5	7	12	29.63	5
17-1012	Landscape Architects	109	121	12	11.01	1	2	3	24.72	5
17-1021	Cartographers and Photogrammetrists	105	132	27	25.71	3	3	6	20.53	5
17-1022	Surveyors	101	120	19	18.81	2	3	5	23.83	5
<b>17-2000</b>	<b>Engineers</b>	<b>4,039</b>	<b>4,459</b>	<b>420</b>	<b>10.40</b>	<b>45</b>	<b>95</b>	<b>140</b>	<b>n/a</b>	<b>n/a</b>
17-2011	Aerospace Engineers	81	95	14	17	1	2	3	46.45	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	40.88	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	225	217	-8	-3.56	0	6	6	42.62	5
17-2051	Civil Engineers	695	791	96	13.81	10	18	28	33.46	5
17-2061	Computer Hardware Engineers	187	220	33	17.65	3	6	9	45.48	5
17-2071	Electrical Engineers	429	468	39	9.09	4	10	14	37.85	5
17-2072	Electronics Engineers, Excl. Computer	306	306	0	0.00	0	7	7	39.45	5
17-2081	Environmental Engineers	193	254	61	31.61	6	6	12	33.57	5
17-2111	Health & Safety Engineers., Excl. Mining Safety	87	90	3	3.45	0	2	2	33.77	5
17-2112	Industrial Engineers	834	1,008	174	20.86	17	20	37	33.89	5
17-2121	Marine Engineers and Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	35.19	5
17-2141	Mechanical Engineers	629	608	-21	-3.34	0	14	14	33.72	5
17-2151	Mining & Geological Engineers., Incl. Mining Safety	*	*	*	*	*	*	*	35.79	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	37.46	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	46.53	5
17-2199	Engineers, All Other	306	331	25	8.17	3	4	7	35.59	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Architecture & Engineering Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
<b>17-3000</b>	<b>Drafters, Engineering, and Mapping Technicians</b>	<b>2,122</b>	<b>2,254</b>	<b>132</b>	<b>6.22</b>	<b>13</b>	<b>49</b>	<b>62</b>	<b>n/a</b>	<b>n/a</b>
17-3011	Architectural and Civil Drafters	332	340	8	2.41	1	10	11	18.19	7
17-3012	Electrical and Electronics Drafters	122	137	15	12.30	2	4	6	27.34	7
17-3013	Mechanical Drafters	305	310	5	1.64	1	9	10	20.89	7
17-3019	Drafters, All Other	62	64	2	3.23	0	2	2	22.35	7
17-3021	Aerospace Engineering and Operations Techs.	*	*	*	*	*	*	*	25.57	6
17-3022	Civil Engineering Technicians	272	283	11	4.04	1	5	6	21.26	6
17-3023	Electrical and Electronic Engineering Technicians	347	368	21	6.05	2	7	9	25.64	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	23.48	6
17-3025	Environmental Engineering Technicians	34	45	11	32.35	1	1	2	20.53	6
17-3026	Industrial Engineering Technicians	139	154	15	10.79	2	3	5	22.82	6
17-3027	Mechanical Engineering Technicians	58	62	4	6.90	0	1	1	22.27	6
17-3029	Engineering Techs., Except Drafters, All Other	284	305	21	7.39	2	6	8	22.02	6
17-3031	Surveying and Mapping Technicians	127	147	20	15.75	2	2	4	16.84	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Life, Physical & Social Science Occupations

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>3,059</b>	<b>3,503</b>	<b>444</b>	<b>14.51</b>	<b>45</b>	<b>75</b>	<b>120</b>	<b>24.83</b>	<b>n/a</b>
<b>19-1000</b>	<b>Life Scientists</b>	<b>628</b>	<b>747</b>	<b>119</b>	<b>18.95</b>	<b>12</b>	<b>19</b>	<b>31</b>	<b>n/a</b>	<b>n/a</b>
19-1011	Animal Scientists	*	*	*	*	*	*	*	30.52	2
19-1012	Food Scientists and Technologists	31	33	2	6.45	0	1	1	32.09	5
19-1013	Soil and Plant Scientists	51	56	5	9.80	1	2	3	25.25	5
19-1021	Biochemists and Biophysicists	*	*	*	*	*	*	*	25.02	2
19-1022	Microbiologists	*	*	*	*	*	*	*	24.33	2
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	36	39	3	8.33	0	1	1	27.66	2
19-1031	Conservation Scientists	85	110	25	29.41	3	3	6	31.54	5
19-1032	Foresters	*	*	*	*	*	*	*	21.10	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	26.23	3
19-1042	Medical Scientists, Excl. Epidemiologists	352	431	79	22.44	8	11	19	25.10	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	25.09	5
<b>19-2000</b>	<b>Physical Scientists</b>	<b>511</b>	<b>559</b>	<b>48</b>	<b>9.39</b>	<b>6</b>	<b>13</b>	<b>19</b>	<b>n/a</b>	<b>n/a</b>
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	67.82	2
19-2021	Atmospheric and Space Scientists	40	42	2	5	0	1	1	43.73	5
19-2031	Chemists	197	190	-7	-3.55	0	5	5	28.91	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	29.43	5
19-2041	Environmental Scientists & Specialists, Incl. Health	186	228	42	22.58	4	5	9	26.06	3
19-2042	Geoscientists, Excl. Hydrologists & Geographers	*	*	*	*	*	*	*	29.11	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	39	44	5	12.82	1	1	2	31.56	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Life, Physical & Social Science Occs. (cont'd)

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>19-3000</b>	<b>Social Scientists and Related Workers</b>	<b>1,138</b>	<b>1,284</b>	<b>146</b>	<b>12.83</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>n/a</b>	<b>n/a</b>
19-3011	Economists	41	48	7	17.07	1	1	2	27.67	3
19-3021	Market Research Analysts	596	673	77	12.92	8	4	12	30.58	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	21.18	5
19-3031	Clinical, Counseling, and School Psychologists	290	327	37	12.76	4	4	8	26.66	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	35.29	3
19-3051	Urban and Regional Planners	52	60	8	15.38	1	2	3	20.03	3
19-3091	Anthropologists and Archeologists	*	*	*	*	*	*	*	23.10	3
19-3092	Geographers	*	*	*	*	*	*	*	31.53	3
19-3093	Historians	38	42	4	11	0	1	1	18.82	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists and Related Workers, All Other	69	76	7	10.14	1	2	3	28.60	3
<b>19-4000</b>	<b>Life, Physical, and Social Science Technicians</b>	<b>782</b>	<b>913</b>	<b>131</b>	<b>16.75</b>	<b>13</b>	<b>28</b>	<b>41</b>	<b>n/a</b>	<b>n/a</b>
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	16.64	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	16.20	5
19-4031	Chemical Technicians	182	190	8	4.40	1	6	7	19.60	6
19-4041	Geological and Petroleum Technicians	*	*	*	*	*	*	*	26.86	6
19-4061	Social Science Research Assistants	89	93	4	4.49	0	3	3	16.37	6
19-4091	Environmental Sci. & Protection Techs., Incl. Health	103	135	32	31.07	3	4	7	19.96	6
19-4092	Forensic Science Technicians	33	44	11	33.33	1	1	2	20.27	5
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	n/a	6
19-4099	Life, Physical & Social Science Techs., All Other	136	158	22	16.18	2	5	7	18.39	6

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Community & Social Service Occupations

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>21-0000 Community and Social Services Occupations</b>		<b>6,283</b>	<b>7,359</b>	<b>1,076</b>	<b>17.13</b>	<b>108</b>	<b>115</b>	<b>223</b>	<b>18.41</b>	<b>n/a</b>
<b>21-1000</b>	<b>Counselors, Social Workers, Other Specialists</b>	<b>6,130</b>	<b>7,159</b>	<b>1,029</b>	<b>16.79</b>	<b>103</b>	<b>113</b>	<b>216</b>	<b>n/a</b>	<b>n/a</b>
21-1011	Substance Abuse & Behavioral Disorder Couns.	261	343	82	31.42	8	5	13	16.95	5
21-1012	Educational, Vocational, and School Counselors	544	609	65	11.95	7	11	18	27.16	3
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	*	20.79	3
21-1014	Mental Health Counselors	417	589	172	41.25	17	8	25	18.20	3
21-1015	Rehabilitation Counselors	281	318	37	13.17	4	6	10	17.38	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	13.76	3
21-1021	Child, Family, and School Social Workers	2,164	2,296	132	6.10	13	46	59	18.16	5
21-1022	Medical and Public Health Social Workers	408	526	118	28.92	12	9	21	20.05	5
21-1023	Mental Health & Substance Abuse Social Workers	382	454	72	18.85	7	8	15	18.00	3
21-1029	Social Workers, All Other	74	84	10	13.51	1	2	3	23.89	5
21-1091	Health Educators	84	101	17	20.24	2	1	3	18.55	5
21-1092	Probation Officers & Correctional Treatment Spec.	345	376	31	8.99	3	4	7	18.36	5
21-1093	Social and Human Service Assistants	755	961	206	27.28	21	9	30	12.30	10
21-1099	Community & Social Service Specialists, All Other	325	386	61	18.77	6	4	10	18.05	5
<b>21-2000</b>	<b>Religious Workers</b>	<b>153</b>	<b>200</b>	<b>47</b>	<b>30.72</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>n/a</b>	<b>n/a</b>
21-2011	Clergy	145	191	46	31.72	5	2	7	23.01	3
21-2021	Directors, Religious Activities and Education	*	*	*	*	*	*	*	37.84	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	10.81	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Legal Occupations

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>23-0000 Legal Occupations</b>		<b>3,891</b>	<b>4,222</b>	<b>331</b>	<b>8.51</b>	<b>35</b>	<b>66</b>	<b>101</b>	<b>34.32</b>	<b>n/a</b>
<b>23-1000</b>	<b>Lawyers, Judges, and Related Workers</b>	<b>2,354</b>	<b>2,501</b>	<b>147</b>	<b>6.24</b>	<b>15</b>	<b>45</b>	<b>60</b>	<b>n/a</b>	<b>n/a</b>
23-1011	Lawyers	2,069	2,218	149	7.20	15	39	54	47.36	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Officers	173	171	-2	-1	0	3	3	n/a	4
23-1022	Arbitrators, Mediators, and Conciliators	*	*	*	*	*	*	*	29.07	4
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	*	*	*	62.50	4
<b>23-2000</b>	<b>Legal Support Workers</b>	<b>1,537</b>	<b>1,721</b>	<b>184</b>	<b>11.97</b>	<b>20</b>	<b>22</b>	<b>42</b>	<b>n/a</b>	<b>n/a</b>
23-2011	Paralegals and Legal Assistants	1,132	1,308	176	15.55	18	15	33	19.38	6
23-2091	Court Reporters	*	*	*	*	*	*	*	24.70	7
23-2092	Law Clerks	129	117	-12	-9.30	0	2	2	16.25	5
23-2093	Title Examiners, Abstractors, and Searchers	82	77	-5	-6.10	0	1	1	16.98	10
23-2099	Legal Support Workers, All Other	175	191	16	9.14	2	3	5	19.98	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Education, Training & Library Occupations

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>25-0000 Education, Training, and Library Occupations</b>		<b>21,770</b>	<b>24,800</b>	<b>3,030</b>	<b>13.92</b>	<b>304</b>	<b>432</b>	<b>736</b>	<b>22.32</b>	<b>n/a</b>
<b>25-1000</b>	<b>Postsecondary Teachers</b>	<b>3,695</b>	<b>4,591</b>	<b>896</b>	<b>24.25</b>	<b>90</b>	<b>62</b>	<b>152</b>	<b>n/a</b>	<b>n/a</b>
25-1011	Business Teachers, Postsecondary **	115	143	28	24.35	3	2	5	50.58	2
25-1021	Computer Science Teachers, Postsecondary **	84	104	20	23.81	2	1	3	44.24	2
25-1022	Mathematical Science Teachers, Postsecondary **	93	115	22	23.66	2	2	4	39.77	2
25-1031	Architecture Teachers, Postsecondary **	*	*	*	*	*	*	*	39.85	2
25-1032	Engineering Teachers, Postsecondary **	79	99	20	25.32	2	1	3	61.65	2
25-1041	Agricultural Sciences Teachers, Postsecondary **	*	*	*	*	*	*	*	50.43	2
25-1042	Biological Science Teachers, Postsecondary **	85	105	20	23.53	2	1	3	43.32	2
25-1043	Forestry & Conservation Sci. Teachers, Post. **	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post. **	*	*	*	*	*	*	*	44.93	2
25-1052	Chemistry Teachers, Postsecondary **	42	52	10	23.81	1	1	2	43.25	2
25-1053	Environmental Science Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Postsecondary **	*	*	*	*	*	*	*	42.43	2
25-1061	Anthropology and Archeology Teachers, Post. **	*	*	*	*	*	*	*	42.53	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post. **	*	*	*	*	*	*	*	40.78	2
25-1063	Economics Teachers, Postsecondary **	32	39	7	22	1	1	2	54.57	2
25-1064	Geography Teachers, Postsecondary **	*	*	*	*	*	*	*	38.31	2
25-1065	Political Science Teachers, Postsecondary **	43	53	10	23.26	1	1	2	45.01	2
25-1066	Psychology Teachers, Postsecondary **	72	90	18	25.00	2	1	3	41.14	2
25-1067	Sociology Teachers, Postsecondary **	*	*	*	*	*	*	*	36.75	2
25-1069	Social Sciences Teachers, Post., All Other **	*	*	*	*	*	*	*	37.74	2
25-1071	Health Specialties Teachers, Postsecondary **	866	1,078	212	24.48	21	15	36	64.95	2
25-1072	Nursing Instructors & Teachers, Postsecondary **	119	148	29	24.37	3	2	5	43.23	2
25-1081	Education Teachers, Postsecondary **	205	257	52	25	5	3	8	38.21	2
25-1082	Library Science Teachers, Postsecondary **	31	39	8	26	1	1	2	37.52	2
25-1111	Crim. Justice & Law Enforcement Teachers, Post. **	105	130	25	23.81	3	2	5	39.76	2
25-1112	Law Teachers, Postsecondary **	32	39	7	21.88	1	1	2	68.47	2
25-1113	Social Work Teachers, Postsecondary **	35	43	8	22.86	1	1	2	36.46	2

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

\*\* Average hourly wages for these teacher occupations were calculated by assuming 9.5 working months per year at 40 hours per week.

# KIPDA Area

## Education, Training & Library Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
25-1121	Art, Drama, and Music Teachers, Postsecondary **	192	243	51	26.56	5	3	8	36.50	2
25-1122	Communications Teachers, Postsecondary **	69	86	17	24.64	2	1	3	36.59	2
25-1123	English Language & Lit. Teachers, Post. **	117	145	28	23.93	3	2	5	34.33	2
25-1124	Foreign Language and Literature Teachers, Post. **	52	66	14	26.92	1	1	2	34.67	2
25-1125	History Teachers, Postsecondary **	46	58	12	26.09	1	1	2	37.79	2
25-1126	Philosophy and Religion Teachers, Post. **	*	*	*	*	*	*	*	34.69	2
25-1191	Graduate Teaching Assistants	227	283	56	24.67	6	4	10	n/a	2
25-1192	Home Economics Teachers, Postsecondary **	*	*	*	*	*	*	*	45.80	2
25-1193	Recreation and Fitness Studies Teachers, Post. **	*	*	*	*	*	*	*	33.49	2
25-1194	Vocational Education Teachers, Postsecondary	476	584	108	22.69	11	8	19	23.58	2
25-1199	Postsecondary Teachers, All Other **	303	376	73	24.09	7	5	12	34.95	2
<b>25-2000</b>	<b>Primary, Secondary &amp; Special Ed. Teachers</b>	<b>10,656</b>	<b>11,978</b>	<b>1,322</b>	<b>12.41</b>	<b>133</b>	<b>249</b>	<b>382</b>	<b>n/a</b>	<b>n/a</b>
25-2011	Preschool Teachers, Excl. Special Education	789	896	107	13.56	11	13	24	13.10	7
25-2012	Kindergarten Teachers, Excl. Special Education **	451	527	76	16.85	8	8	16	29.32	5
25-2021	Elementary School Teachers, Excl. Special Ed. **	*	*	*	*	*	*	*	29.01	5
25-2022	Middle School Teachers, Excl. Special & Voc. Ed. **	1,533	1,724	191	12	19	34	53	29.61	5
25-2023	Vocational Education Teachers, Middle School **	*	*	*	*	*	*	*	32.27	4
25-2031	Sec. School Teachers, Excl. Special and Voc. Ed. **	2,652	2,833	181	6.83	18	79	97	30.31	5
25-2032	Vocational Ed. Teachers, Secondary School **	*	*	*	*	*	*	*	33.82	4
25-2041	Spec. Ed. Teachers, Pre., Kinder. & Elem. School **	786	946	160	20.36	16	18	34	29.03	5
25-2042	Special Education Teachers, Middle School **	397	466	69	17.38	7	9	16	29.38	5
25-2043	Special Education Teachers, Secondary School **	461	506	45	9.76	5	10	15	29.88	5
<b>25-3000</b>	<b>Other Teachers and Instructors</b>	<b>1,399</b>	<b>1,567</b>	<b>168</b>	<b>12.01</b>	<b>17</b>	<b>15</b>	<b>32</b>	<b>n/a</b>	<b>n/a</b>
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	61	70	9	14.75	1	1	2	17.32	5
25-3021	Self-Enrichment Education Teachers	356	425	69	19.38	7	4	11	13.33	8
25-3099	Teachers and Instructors, All Other **	982	1,072	90	9.17	9	11	20	19.67	5
<b>25-4000</b>	<b>Librarians, Curators, and Archivists</b>	<b>666</b>	<b>714</b>	<b>48</b>	<b>7</b>	<b>5</b>	<b>23</b>	<b>28</b>	<b>n/a</b>	<b>n/a</b>
25-4011	Archivists	*	*	*	*	*	*	*	18.24	3
25-4012	Curators	47	54	7	15	1	2	3	22.95	3
25-4013	Museum Technicians and Conservators	*	*	*	*	*	*	*	17.29	5
25-4021	Librarians	426	449	23	5.40	2	12	14	25.17	3
25-4031	Library Technicians	159	174	15	9.43	2	8	10	13.10	7

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

\*\* Average hourly wages for these teacher occupations were calculated by assuming 9.5 working months per year at 40 hours per week.



# KIPDA Area

## Education, Training & Library Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
<b>25-9000</b>	<b>Other Education, Training, and Library Occupations</b>	<b>5,354</b>	<b>5,950</b>	<b>596</b>	<b>11.13</b>	<b>60</b>	<b>83</b>	<b>143</b>	<b>n/a</b>	<b>n/a</b>
25-9011	Audio-Visual Collections Specialists	*	*	*	*	*	*	*	n/a	5
25-9021	Farm and Home Management Advisors	35	52	17	48.57	2	1	3	n/a	5
25-9031	Instructional Coordinators	491	598	107	21.79	11	7	18	27.61	3
25-9041	Teacher Assistants **	3,628	3,948	320	8.82	32	59	91	n/a	11
25-9099	Education, Training, and Library Workers, All Other	1,200	1,352	152	12.67	15	16	31	21.44	5

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

\*\* Average hourly wages for these teacher occupations were calculated by assuming 9.5 working months per year at 40 hours per week.

# KIPDA Area

## Arts, Design, Entertainment, Sports & Media Occs.

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports &amp; Media Occs.</b>	<b>8,476</b>	<b>9,048</b>	<b>572</b>	<b>6.75</b>	<b>70</b>	<b>212</b>	<b>282</b>	<b>17.49</b>	<b>n/a</b>
<b>27-1000</b>	<b>Art and Design Workers</b>	<b>2,549</b>	<b>2,751</b>	<b>202</b>	<b>7.92</b>	<b>23</b>	<b>67</b>	<b>90</b>	<b>n/a</b>	<b>n/a</b>
27-1011	Art Directors	116	124	8	6.90	1	3	4	29.61	4
27-1012	Craft Artists	*	*	*	*	*	*	*	11.33	9
27-1013	Fine Artists, Incl. Painters, Sculptors & Illustrators	58	56	-2	-3.45	0	1	1	16.07	9
27-1014	Multi-Media Artists and Animators	79	77	-2	-2.53	0	2	2	25.41	5
27-1019	Artists and Related Workers, All Other	*	*	*	*	*	*	*	10.59	9
27-1021	Commercial and Industrial Designers	81	71	-10	-12.35	0	2	2	23.50	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	18.36	6
27-1023	Floral Designers	215	205	-10	-4.65	0	6	6	9.77	11
27-1024	Graphic Designers	1,206	1,320	114	9.45	11	32	43	17.45	5
27-1025	Interior Designers	181	176	-5	-2.76	0	5	5	17.30	6
27-1026	Merchandise Displayers and Window Trimmers	569	671	102	17.93	10	15	25	12.71	10
27-1027	Set and Exhibit Designers	*	*	*	*	*	*	*	15.35	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	13.74	5
<b>27-2000</b>	<b>Entertainers, Performers, Sports &amp; Related</b>	<b>2,292</b>	<b>2,453</b>	<b>161</b>	<b>7.02</b>	<b>16</b>	<b>68</b>	<b>84</b>	<b>n/a</b>	<b>n/a</b>
27-2011	Actors	*	*	*	*	*	*	*	10.81	9
27-2012	Producers and Directors	274	290	16	5.84	2	8	10	19.10	4
27-2021	Athletes and Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches and Scouts	1,233	1,339	106	8.60	11	32	43	n/a	9
27-2023	Umpires, Referees, and Other Sports Officials	39	43	4	10.26	0	1	1	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	278	292	14	5.04	1	15	16	12.70	8
27-2041	Music Directors and Composers	*	*	*	*	*	*	*	16.63	4
27-2042	Musicians and Singers	233	238	5	2.15	1	5	6	17.70	9
27-2099	Entertainers & Performers, Sports & Related, Other	168	184	16	9.52	2	5	7	18.49	9

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

## Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>27-3000</b>	<b>Media and Communication Workers</b>	<b>2,688</b>	<b>2,838</b>	<b>150</b>	<b>5.58</b>	<b>24</b>	<b>53</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>
27-3011	Radio and Television Announcers	180	142	-38	-21.11	0	6	6	11.77	9
27-3012	Public Address System and Other Announcers	94	85	-9	-9.57	0	3	3	10.12	10
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	17.13	5
27-3022	Reporters and Correspondents	266	254	-12	-4.51	0	8	8	17.86	5
27-3031	Public Relations Specialists	1,127	1,283	156	13.84	16	9	25	21.67	5
27-3041	Editors	326	293	-33	-10.12	0	10	10	21.42	5
27-3042	Technical Writers	278	345	67	24.10	7	8	15	25.88	5
27-3043	Writers and Authors	218	230	12	5.50	1	4	5	19.17	5
27-3091	Interpreters and Translators	*	*	*	*	*	*	*	19.13	9
27-3099	Media and Communication Workers, All Other	140	140	0	0.00	0	3	3	19.91	9
<b>27-4000</b>	<b>Media and Communication Equipment Workers</b>	<b>947</b>	<b>1,006</b>	<b>59</b>	<b>6.23</b>	<b>6</b>	<b>25</b>	<b>31</b>	<b>n/a</b>	<b>n/a</b>
27-4011	Audio and Video Equipment Technicians	83	101	18	21.69	2	3	5	19.60	7
27-4012	Broadcast Technicians	298	307	9	3.02	1	10	11	18.95	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	18.37	7
27-4021	Photographers	322	342	20	6.21	2	7	9	14.51	9
27-4031	Camera Operators, TV, Video & Motion Picture	70	69	-1	-1.43	0	1	1	20.85	5
27-4032	Film and Video Editors	*	*	*	*	*	*	*	18.18	5
27-4099	Media and Communication Equip. Workers, Other	83	91	8	9.64	1	2	3	19.47	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Healthcare Practitioners & Technical Occs.

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>29-0000 Healthcare Practitioners and Technical Occupations</b>		<b>31,822</b>	<b>37,858</b>	<b>6,036</b>	<b>18.97</b>	<b>608</b>	<b>600</b>	<b>1,208</b>	<b>29.73</b>	<b>n/a</b>
<b>29-1000</b>	<b>Health Diagnosing and Treating Practitioners</b>	<b>19,641</b>	<b>23,496</b>	<b>3,855</b>	<b>19.63</b>	<b>386</b>	<b>329</b>	<b>715</b>	<b>n/a</b>	<b>n/a</b>
29-1011	Chiropractors	142	163	21	14.79	2	2	4	48.15	1
29-1021	Dentists, General	293	318	25	8.53	3	6	9	72.52	1
29-1022	Oral and Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	92.18	1
29-1029	Dentists, All Other	*	*	*	*	*	*	*	43.18	1
29-1031	Dietitians and Nutritionists	313	369	56	17.89	6	8	14	23.96	5
29-1041	Optometrists	133	146	13	9.77	1	2	3	57.32	1
29-1051	Pharmacists	890	1,101	211	23.71	21	15	36	51.31	1
29-1061	Anesthesiologists	58	68	10	17.24	1	1	2	n/a	1
29-1062	Family and General Practitioners	304	340	36	11.84	4	6	10	79.79	1
29-1063	Internists, General	86	97	11	12.79	1	2	3	91.24	1
29-1064	Obstetricians and Gynecologists	218	266	48	22.02	5	4	9	83.05	1
29-1065	Pediatricians, General	207	230	23	11.11	2	4	6	93.66	1
29-1066	Psychiatrists	30	36	6	20.00	1	1	2	86.58	1
29-1067	Surgeons	483	534	51	10.56	5	9	14	102.22	1
29-1069	Physicians and Surgeons, All Other	1,069	1,226	157	14.69	16	19	35	81.85	1
29-1071	Physician Assistants	108	138	30	27.78	3	2	5	39.81	3
29-1081	Podiatrists	40	46	6	15	1	1	2	70.21	1
29-1111	Registered Nurses	13,151	15,903	2,752	20.93	275	217	492	28.19	6
29-1121	Audiologists	59	61	2	3.39	0	1	1	37.82	1
29-1122	Occupational Therapists	286	359	73	25.52	7	4	11	34.25	3
29-1123	Physical Therapists	405	509	104	25.68	10	5	15	36.73	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	31.12	6
29-1125	Recreational Therapists	49	47	-2	-4.08	0	1	1	19.08	5
29-1126	Respiratory Therapists	568	672	104	18.31	10	8	18	21.62	6
29-1127	Speech-Language Pathologists	254	286	32	12.60	3	5	8	28.90	3
29-1129	Therapists, All Other	185	193	8	4.32	1	2	3	34.79	5
29-1131	Veterinarians	223	293	70	31.39	7	4	11	46.09	1
29-1199	Health Diagnosing & Treating Practitioners, Other	*	*	*	*	*	*	*	28.92	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Healthcare Practitioners & Tech. Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
<b>29-2000</b>	<b>Health Technologists and Technicians</b>	<b>11,699</b>	<b>13,816</b>	<b>2,117</b>	<b>18.10</b>	<b>216</b>	<b>262</b>	<b>478</b>	<b>n/a</b>	<b>n/a</b>
29-2011	Medical and Clinical Laboratory Technologists	758	825	67	8.84	7	12	19	24.44	5
29-2012	Medical and Clinical Laboratory Technicians	391	440	49	12.53	5	6	11	17.14	6
29-2021	Dental Hygienists	610	783	173	28.36	17	12	29	27.01	6
29-2031	Cardiovascular Technologists and Technicians	452	567	115	25.44	12	6	18	20.12	6
29-2032	Diagnostic Medical Sonographers	189	220	31	16.40	3	3	6	27.13	6
29-2033	Nuclear Medicine Technologists	137	154	17	12.41	2	2	4	27.90	6
29-2034	Radiologic Technologists and Technicians	1,136	1,268	132	11.62	13	15	28	22.23	6
29-2041	Emergency Medical Technicians and Paramedics	1,021	1,207	186	18.22	19	12	31	13.62	7
29-2051	Dietetic Technicians	148	168	20	13.51	2	5	7	12.04	7
29-2052	Pharmacy Technicians	1,577	2,100	523	33.16	52	48	100	11.88	10
29-2053	Psychiatric Technicians	329	288	-41	-12.46	0	10	10	11.98	7
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	19.94	7
29-2055	Surgical Technologists	593	734	141	23.78	14	18	32	17.08	7
29-2056	Veterinary Technologists and Technicians	308	415	107	34.74	11	9	20	12.82	6
29-2061	Licensed Practical & Licensed Voc. Nurses	2,676	3,098	422	15.77	42	73	115	17.53	7
29-2071	Medical Records & Health Info. Technicians	805	942	137	17.02	14	22	36	15.24	6
29-2081	Opticians, Dispensing	133	144	11	8.27	1	4	5	16.20	9
29-2091	Orthotists and Prosthetists	*	*	*	*	*	*	*	34.86	5
29-2099	Health Technologists and Technicians, All Other	330	357	27	8.18	3	3	6	21.04	7
<b>29-9000</b>	<b>Other Healthcare Practitioners &amp; Technical Occs.</b>	<b>482</b>	<b>546</b>	<b>64</b>	<b>13.28</b>	<b>6</b>	<b>9</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>
29-9011	Occupational Health and Safety Specialists	175	208	33	18.86	3	3	6	29.77	5
29-9012	Occupational Health and Safety Technicians	*	*	*	*	*	*	*	19.57	6
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	237	258	21	8.86	2	5	7	26.11	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Healthcare Support Occupations

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>31-0000 Healthcare Support Occupations</b>		<b>13,572</b>	<b>16,782</b>	<b>3,210</b>	<b>23.65</b>	<b>322</b>	<b>147</b>	<b>469</b>	<b>12.33</b>	<b>n/a</b>
<b>31-1000</b>	<b>Nursing, Psychiatric, and Home Health Aides</b>	<b>7,861</b>	<b>9,652</b>	<b>1,791</b>	<b>22.78</b>	<b>179</b>	<b>70</b>	<b>249</b>	<b>n/a</b>	<b>n/a</b>
31-1011	Home Health Aides	618	889	271	43.85	27	6	33	10.49	11
31-1012	Nursing Aides, Orderlies, and Attendants	6,931	8,452	1,521	21.94	152	62	214	10.79	7
31-1013	Psychiatric Aides	312	311	-1	-0.32	0	3	3	12.29	11
<b>31-2000</b>	<b>Occupational &amp; Physical Therapist Assis. &amp; Aides</b>	<b>495</b>	<b>638</b>	<b>143</b>	<b>28.89</b>	<b>14</b>	<b>7</b>	<b>21</b>	<b>n/a</b>	<b>n/a</b>
31-2011	Occupational Therapist Assistants	81	103	22	27.16	2	1	3	24.71	6
31-2012	Occupational Therapist Aides	40	52	12	30.00	1	1	2	14.60	11
31-2021	Physical Therapist Assistants	190	252	62	32.63	6	2	8	23.02	6
31-2022	Physical Therapist Aides	184	231	47	25.54	5	2	7	12.35	11
<b>31-9000</b>	<b>Other Healthcare Support Occupations</b>	<b>5,216</b>	<b>6,492</b>	<b>1,276</b>	<b>24.46</b>	<b>128</b>	<b>70</b>	<b>198</b>	<b>n/a</b>	<b>n/a</b>
31-9011	Massage Therapists	136	155	19	13.97	2	2	4	16.68	7
31-9091	Dental Assistants	1,054	1,343	289	27.42	29	18	47	15.38	10
31-9092	Medical Assistants	2,146	2,911	765	35.65	77	27	104	12.88	10
31-9093	Medical Equipment Preparers	276	299	23	8.33	2	3	5	13.02	11
31-9094	Medical Transcriptionists	401	430	29	7.23	3	5	8	13.99	7
31-9095	Pharmacy Aides	38	33	-5	-13.16	0	1	1	10.91	11
31-9096	Veterinary Assist. & Laboratory Animal Caretakers	140	154	14	10.00	1	2	3	10.09	11
31-9099	Healthcare Support Workers, All Other	1,025	1,167	142	13.85	14	13	27	14.65	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Protective Service Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
<b>33-0000 Protective Service Occupations</b>		<b>10,581</b>	<b>12,001</b>	<b>1,420</b>	<b>13.42</b>	<b>142</b>	<b>287</b>	<b>429</b>	<b>15.46</b>	<b>n/a</b>
<b>33-1000</b>	<b>Managers, Protective Service Workers</b>	<b>1,334</b>	<b>1,509</b>	<b>175</b>	<b>13.12</b>	<b>18</b>	<b>37</b>	<b>55</b>	<b>n/a</b>	<b>n/a</b>
33-1011	Managers of Correctional Officers	467	515	48	10.28	5	13	18	21.92	8
33-1012	Managers of Police and Detectives	356	404	48	13.48	5	11	16	28.68	8
33-1021	Managers of Fire Fighting and Prevention Workers	292	340	48	16.44	5	9	14	25.25	8
33-1099	Managers, Protective Service Workers, All Other	219	250	31	14.16	3	4	7	18.09	8
<b>33-2000</b>	<b>Fire Fighting and Prevention Workers</b>	<b>1,183</b>	<b>1,380</b>	<b>197</b>	<b>16.65</b>	<b>20</b>	<b>42</b>	<b>62</b>	<b>n/a</b>	<b>n/a</b>
33-2011	Fire Fighters	1,086	1,271	185	17.04	19	40	59	16.53	9
33-2021	Fire Inspectors and Investigators	97	109	12	12	1	2	3	20.22	8
33-2022	Forest Fire Inspectors and Prevention Specialists	*	*	*	*	*	*	*	n/a	8
<b>33-3000</b>	<b>Law Enforcement Workers</b>	<b>3,705</b>	<b>4,231</b>	<b>526</b>	<b>14.20</b>	<b>53</b>	<b>92</b>	<b>145</b>	<b>n/a</b>	<b>n/a</b>
33-3011	Bailiffs	*	*	*	*	*	*	*	10.75	10
33-3012	Correctional Officers and Jailers	1,631	1,865	234	14.35	23	37	60	14.19	10
33-3021	Detectives and Criminal Investigators	151	185	34	22.52	3	3	6	27.56	8
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	19.13	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	12.88	11
33-3051	Police and Sheriff's Patrol Officers	1,860	2,113	253	13.60	25	50	75	18.59	9
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	n/a	9
<b>33-9000</b>	<b>Other Protective Service Workers</b>	<b>4,359</b>	<b>4,881</b>	<b>522</b>	<b>11.98</b>	<b>52</b>	<b>117</b>	<b>169</b>	<b>n/a</b>	<b>n/a</b>
33-9011	Animal Control Workers	34	39	5	14.71	1	1	2	11.20	10
33-9021	Private Detectives and Investigators	62	71	9	14.52	1	1	2	16.74	8
33-9031	Gaming Surveillance Ofc's. & Gaming Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	3,594	4,033	439	12.21	44	73	117	11.61	11
33-9091	Crossing Guards	172	176	4	2.33	0	5	5	11.80	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	160	177	17	10.63	2	12	14	8.34	11
33-9099	Protective Service Workers, All Other	337	385	48	14.24	5	25	30	14.90	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Food Preparation & Serving Related Occs.

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>35-0000 Food Preparation and Serving Related Occupations</b>		<b>41,350</b>	<b>45,189</b>	<b>3,839</b>	<b>9.28</b>	<b>386</b>	<b>1,400</b>	<b>1,786</b>	<b>9.10</b>	<b>n/a</b>
<b>35-1000</b>	<b>Supervisors, Food Preparation &amp; Serving Workers</b>	<b>3,752</b>	<b>4,039</b>	<b>287</b>	<b>7.65</b>	<b>29</b>	<b>30</b>	<b>59</b>	<b>n/a</b>	<b>n/a</b>
35-1011	Chefs and Head Cooks	296	305	9	3.04	1	4	5	19.74	8
35-1012	Managers of Food Preparation & Serving Workers	3,456	3,734	278	8.04	28	26	54	13.37	8
<b>35-2000</b>	<b>Cooks and Food Preparation Workers</b>	<b>9,874</b>	<b>10,672</b>	<b>798</b>	<b>8.08</b>	<b>82</b>	<b>287</b>	<b>369</b>	<b>n/a</b>	<b>n/a</b>
35-2011	Cooks, Fast Food	1,446	1,518	72	4.98	7	39	46	7.95	11
35-2012	Cooks, Institution and Cafeteria	1,492	1,689	197	13.20	20	40	60	10.69	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	2,660	2,841	181	6.80	18	72	90	9.59	9
35-2015	Cooks, Short Order	1,633	1,617	-16	-0.98	0	44	44	8.01	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	10.50	10
35-2021	Food Preparation Workers	2,536	2,902	366	14.43	37	88	125	9.51	11
<b>35-3000</b>	<b>Food and Beverage Serving Workers</b>	<b>23,733</b>	<b>26,205</b>	<b>2,472</b>	<b>10.42</b>	<b>247</b>	<b>880</b>	<b>1,127</b>	<b>n/a</b>	<b>n/a</b>
35-3011	Bartenders	1,955	2,073	118	6.04	12	71	83	8.81	11
35-3021	Combined Food Preparation & Service Workers	10,290	11,782	1,492	14.50	149	195	344	7.97	11
35-3022	Counter Attendants, Cafeteria & Food Concession	1,695	1,814	119	7.02	12	118	130	8.32	11
35-3031	Waiters and Waitresses	8,864	9,420	556	6.27	56	482	538	8.41	11
35-3041	Food Servers, Nonrestaurant	929	1,116	187	20.13	19	14	33	9.65	11
<b>35-9000</b>	<b>Other Food Preparation and Serving Related Workers</b>	<b>3,991</b>	<b>4,273</b>	<b>282</b>	<b>7.07</b>	<b>28</b>	<b>204</b>	<b>232</b>	<b>n/a</b>	<b>n/a</b>
35-9011	Dining Room, Cafeteria Attend. & Bartender Help.	*	*	*	*	*	*	*	8.02	11
35-9021	Dishwashers	1,235	1,344	109	8.83	11	50	61	8.46	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	1,439	1,523	84	5.84	8	98	106	8.16	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	11.60	11

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# KIPDA Area

## Building, Grounds Cleaning & Maintenance Occs.

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
<b>37-0000</b>	<b>Building &amp; Grounds Cleaning &amp; Maintenance Occs.</b>	<b>16,426</b>	<b>18,481</b>	<b>2,055</b>	<b>12.51</b>	<b>206</b>	<b>280</b>	<b>486</b>	<b>10.66</b>	<b>n/a</b>
<b>37-1000</b>	<b>Supervisors, Bldg. &amp; Grounds Cleaning Workers</b>	<b>2,306</b>	<b>2,564</b>	<b>258</b>	<b>11.19</b>	<b>26</b>	<b>28</b>	<b>54</b>	<b>n/a</b>	<b>n/a</b>
37-1011	Managers of Housekeeping & Janitorial Workers	1,508	1,655	147	9.75	15	22	37	14.73	8
37-1012	Managers of Landscaping, Lawn & Grounds. Work.	798	909	111	13.91	11	5	16	17.19	8
<b>37-2000</b>	<b>Building Cleaning and Pest Control Workers</b>	<b>11,257</b>	<b>12,668</b>	<b>1,411</b>	<b>12.53</b>	<b>141</b>	<b>215</b>	<b>356</b>	<b>n/a</b>	<b>n/a</b>
37-2011	Janitors & Cleaners, Excl. Maids & Housekeeping	6,773	7,646	873	12.89	87	130	217	10.34	11
37-2012	Maids and Housekeeping Cleaners	4,305	4,820	515	11.96	52	81	133	8.97	11
37-2019	Building Cleaning Workers, All Other	43	51	8	19	1	1	2	10.79	11
37-2021	Pest Control Workers	136	151	15	11.03	2	3	5	13.02	10
<b>37-3000</b>	<b>Grounds Maintenance Workers</b>	<b>2,863</b>	<b>3,249</b>	<b>386</b>	<b>13.48</b>	<b>39</b>	<b>38</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>
37-3011	Landscaping and Groundskeeping Workers	2,582	2,933	351	13.59	35	34	69	10.88	11
37-3012	Pesticide Handlers, Sprayers & Applicators, Veg.	*	*	*	*	*	*	*	12.76	10
37-3013	Tree Trimmers and Pruners	*	*	*	*	*	*	*	12.09	11
37-3019	Grounds Maintenance Workers, All Other	193	219	26	13.47	3	3	6	12.70	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Personal Care & Service Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
<b>39-0000 Personal Care and Service Occupations</b>		<b>14,466</b>	<b>17,105</b>	<b>2,639</b>	<b>18.24</b>	<b>267</b>	<b>349</b>	<b>616</b>	<b>10.92</b>	<b>n/a</b>
<b>39-1000</b>	<b>Supervisors, Personal Care and Service Workers</b>	<b>1,267</b>	<b>1,412</b>	<b>145</b>	<b>11.44</b>	<b>15</b>	<b>27</b>	<b>42</b>	<b>n/a</b>	<b>n/a</b>
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	18.79	8
39-1012	Slot Key Persons	*	*	*	*	*	*	*	n/a	7
39-1021	Managers of Personal Service Workers	1,193	1,331	138	11.57	14	26	40	13.77	8
<b>39-2000</b>	<b>Animal Care and Service Workers</b>	<b>1,064</b>	<b>1,234</b>	<b>170</b>	<b>15.98</b>	<b>17</b>	<b>17</b>	<b>34</b>	<b>n/a</b>	<b>n/a</b>
39-2011	Animal Trainers	75	85	10	13.33	1	1	2	16.75	10
39-2021	Nonfarm Animal Caretakers	989	1,149	160	16.18	16	16	32	9.89	11
<b>39-3000</b>	<b>Entertainment Attendants and Related Workers</b>	<b>1,400</b>	<b>1,575</b>	<b>175</b>	<b>13</b>	<b>18</b>	<b>61</b>	<b>79</b>	<b>n/a</b>	<b>n/a</b>
39-3011	Gaming Dealers	331	365	34	10	3	7	10	9.33	7
39-3012	Gaming and Sports Book Writers and Runners	43	52	9	21	1	1	2	14.38	11
39-3019	Gaming Service Workers, All Other	*	*	*	*	*	*	*	n/a	10
39-3021	Motion Picture Projectionists	31	30	-1	-3.23	0	1	1	9.55	11
39-3031	Ushers, Lobby Attendants, and Ticket Takers	165	175	10	6	1	12	13	8.53	11
39-3091	Amusement and Recreation Attendants	627	700	73	12	7	31	38	8.42	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	11.78	11
39-3093	Locker Room, Coatroom & Dressing Room Attend.	32	36	4	12.50	0	2	2	9.48	11
39-3099	Entertainment Attend. & Related Workers, Other	156	203	47	30.13	5	8	13	9.27	10
<b>39-4000</b>	<b>Funeral Service Workers</b>	<b>127</b>	<b>154</b>	<b>27</b>	<b>21.26</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>n/a</b>	<b>n/a</b>
39-4011	Embalmers	*	*	*	*	*	*	*	16.67	7
39-4021	Funeral Attendants	127	154	27	21.26	3	3	6	9.54	11
<b>39-5000</b>	<b>Personal Appearance Workers</b>	<b>1,738</b>	<b>2,124</b>	<b>386</b>	<b>22.21</b>	<b>39</b>	<b>21</b>	<b>60</b>	<b>n/a</b>	<b>n/a</b>
39-5011	Barbers	174	185	11	6.32	1	3	4	12.76	7
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,275	1,545	270	21	27	15	42	11.55	7
39-5092	Manicurists and Pedicurists	211	299	88	42	9	2	11	9.72	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Specialists	*	*	*	*	*	*	*	14.49	7
<b>39-6000</b>	<b>Transportation, Tourism, and Lodging Attendants</b>	<b>147</b>	<b>151</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
39-6011	Baggage Porters and Bellhops	67	64	-3	-4.48	0	1	1	9.00	11
39-6012	Concierges	*	*	*	*	*	*	*	12.62	10
39-6021	Tour Guides and Escorts	65	72	7	10.77	1	3	4	11.00	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Excl. Flight Attend. & Bag Porters	*	*	*	*	*	*	*	n/a	7

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Personal Care & Service Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
<b>39-9000</b>	<b>Other Personal Care and Service Workers</b>	<b>8,723</b>	<b>10,455</b>	<b>1,732</b>	<b>19.86</b>	<b>176</b>	<b>215</b>	<b>391</b>	<b>n/a</b>	<b>n/a</b>
39-9011	Child Care Workers	4,772	5,649	877	18.38	88	137	225	8.97	11
39-9021	Personal and Home Care Aides	1,212	1,719	507	41.83	51	21	72	8.56	11
39-9031	Fitness Trainers and Aerobics Instructors	885	962	77	8.70	8	17	25	13.60	7
39-9032	Recreation Workers	1,107	1,218	111	10.03	11	21	32	11.99	11
39-9041	Residential Advisors	573	761	188	32.81	19	16	35	10.40	11
39-9099	Personal Care and Service Workers, All Other	174	146	-28	-16.09	0	4	4	10.35	11

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Sales & Related Occupations

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>41-0000 Sales and Related Occupations</b>		<b>55,661</b>	<b>59,040</b>	<b>3,379</b>	<b>6.07</b>	<b>378</b>	<b>1,653</b>	<b>2,031</b>	<b>15.16</b>	<b>n/a</b>
<b>41-1000 Supervisors, Sales Workers</b>		<b>8,607</b>	<b>8,813</b>	<b>206</b>	<b>2.39</b>	<b>24</b>	<b>165</b>	<b>189</b>	<b>n/a</b>	<b>n/a</b>
41-1011	Managers of Retail Sales Workers	6,216	6,458	242	3.89	24	130	154	16.26	8
41-1012	Managers of Non-Retail Sales Workers	2,391	2,355	-36	-1.51	0	35	35	28.15	8
<b>41-2000 Retail Sales Workers</b>		<b>29,126</b>	<b>30,699</b>	<b>1,573</b>	<b>5.40</b>	<b>190</b>	<b>1,099</b>	<b>1,289</b>	<b>n/a</b>	<b>n/a</b>
41-2011	Cashiers	11,657	11,433	-224	-1.92	0	554	554	8.37	11
41-2012	Gaming Change Persons and Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter and Rental Clerks	2,847	3,335	488	17.14	49	109	158	9.98	11
41-2022	Parts Salespersons	*	*	*	*	*	*	*	12.54	10
41-2031	Retail Salespersons	13,903	15,311	1,408	10.13	141	428	569	10.74	11
<b>41-3000 Sales Representatives, Services</b>		<b>6,867</b>	<b>7,785</b>	<b>918</b>	<b>13.37</b>	<b>93</b>	<b>155</b>	<b>248</b>	<b>n/a</b>	<b>n/a</b>
41-3011	Advertising Sales Agents	579	638	59	10.19	6	10	16	18.29	10
41-3021	Insurance Sales Agents	1,725	1,873	148	8.58	15	38	53	28.82	7
41-3031	Securities, Commodities & Financial Serv. Sales	1,122	1,206	84	7.49	8	29	37	36.88	5
41-3041	Travel Agents	160	152	-8	-5.00	0	1	1	13.02	7
41-3099	Sales Representatives, Services, All Other	3,281	3,916	635	19.35	64	77	141	25.53	8
<b>41-4000 Sales Reps., Wholesale and Manufacturing</b>		<b>8,381</b>	<b>8,920</b>	<b>539</b>	<b>6.43</b>	<b>54</b>	<b>185</b>	<b>239</b>	<b>n/a</b>	<b>n/a</b>
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	2,175	2,381	206	9.47	21	48	69	38.83	8
41-4012	Sales Reps., Wholesale & Manuf., Excl. Tech. & Sci.	6,206	6,539	333	5.37	33	137	170	28.04	8
<b>41-9000 Other Sales and Related Workers</b>		<b>2,680</b>	<b>2,823</b>	<b>143</b>	<b>5.34</b>	<b>18</b>	<b>49</b>	<b>67</b>	<b>n/a</b>	<b>n/a</b>
41-9011	Demonstrators and Product Promoters	302	362	60	19.87	6	9	15	11.21	10
41-9012	Models	36	42	6	17	1	1	2	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	16.62	8
41-9022	Real Estate Sales Agents	1,024	1,052	28	2.73	3	16	19	14.99	7
41-9031	Sales Engineers	140	139	-1	-0.71	0	4	4	33.18	5
41-9041	Telemarketers	333	298	-35	-10.51	0	12	12	11.76	11
41-9091	Door-To-Door Sales, News, Street Vend. & Related	*	*	*	*	*	*	*	12.29	11
41-9099	Sales and Related Workers, All Other	813	893	80	9.84	8	7	15	15.59	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Office & Administrative Support Occs.

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>91,971</b>	<b>95,788</b>	<b>3,817</b>	<b>4.15</b>	<b>625</b>	<b>1,950</b>	<b>2,575</b>	<b>14.32</b>	<b>n/a</b>
<b>43-1000</b>	<b>Supervisors, Office &amp; Admin. Support Workers</b>	<b>6,516</b>	<b>6,679</b>	<b>163</b>	<b>2.50</b>	<b>16</b>	<b>135</b>	<b>151</b>	<b>n/a</b>	<b>n/a</b>
43-1011	Managers of Office & Admin. Support Workers	6,516	6,679	163	2.50	16	135	151	20.27	8
<b>43-2000</b>	<b>Communications Equipment Operators</b>	<b>747</b>	<b>576</b>	<b>-171</b>	<b>-22.89</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>n/a</b>	<b>n/a</b>
43-2011	Switchboard Operators, Incl. Answering Service	524	458	-66	-12.60	0	11	11	11.97	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	14.15	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	17.49	11
<b>43-3000</b>	<b>Financial Clerks</b>	<b>14,435</b>	<b>15,802</b>	<b>1,367</b>	<b>9.47</b>	<b>139</b>	<b>258</b>	<b>397</b>	<b>n/a</b>	<b>n/a</b>
43-3011	Bill and Account Collectors	2,638	3,167	529	20.05	53	40	93	13.20	11
43-3021	Billing and Posting Clerks and Machine Operators	2,849	2,989	140	4.91	14	36	50	14.62	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,819	7,398	579	8.49	58	107	165	14.98	10
43-3041	Gaming Cage Workers	*	*	*	*	*	*	*	n/a	11
43-3051	Payroll and Timekeeping Clerks	641	636	-5	-0.78	0	16	16	15.76	10
43-3061	Procurement Clerks	*	*	*	*	*	*	*	17.59	10
43-3071	Tellers	1,217	1,354	137	11.26	14	53	67	10.66	11
<b>43-4000</b>	<b>Information and Record Clerks</b>	<b>23,108</b>	<b>25,089</b>	<b>1,981</b>	<b>8.57</b>	<b>290</b>	<b>593</b>	<b>883</b>	<b>n/a</b>	<b>n/a</b>
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	19.06	10
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	16.71	11
43-4031	Court, Municipal, and License Clerks	852	876	24	2.82	2	20	22	14.82	11
43-4041	Credit Authorizers, Checkers, and Clerks	108	89	-19	-17.59	0	3	3	16.06	11
43-4051	Customer Service Representatives	9,652	11,610	1,958	20.29	196	269	465	13.99	10
43-4061	Eligibility Interviewers, Government Programs	153	167	14	9.15	1	3	4	20.62	10
43-4071	File Clerks	920	519	-401	-43.59	0	24	24	11.04	11
43-4081	Hotel, Motel, and Resort Desk Clerks	537	564	27	5.03	3	22	25	8.50	11
43-4111	Interviewers, Excl. Eligibility and Loan	1,715	1,747	32	1.87	3	45	48	12.09	11
43-4121	Library Assistants, Clerical	272	292	20	7.35	2	9	11	10.62	11
43-4131	Loan Interviewers and Clerks	606	583	-23	-3.80	0	11	11	13.97	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	13.34	8
43-4151	Order Clerks	1,058	722	-336	-31.76	0	22	22	13.43	11
43-4161	H.R. Assistants, Excl. Payroll & Timekeeping	415	459	44	10.60	4	3	7	17.39	11
43-4171	Receptionists and Information Clerks	5,245	6,029	784	14.95	78	128	206	11.03	11
43-4181	Reservation, Transp. Ticket Agents & Travel Clerks	505	493	-12	-2.38	0	11	11	n/a	11
43-4199	Information and Record Clerks, All Other	587	512	-75	-12.78	0	9	9	16.37	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

# KIPDA Area

## Office & Administrative Support Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
<b>43-5000</b>	<b>Material Recording, Dispatching &amp; Distributing Work.</b>	<b>19,277</b>	<b>19,150</b>	<b>-127</b>	<b>-0.66</b>	<b>44</b>	<b>466</b>	<b>510</b>	<b>n/a</b>	<b>n/a</b>
43-5011	Cargo and Freight Agents	972	1,036	64	6.58	6	27	33	17.57	10
43-5021	Couriers and Messengers	620	625	5	0.81	1	17	18	10.61	11
43-5031	Police, Fire, and Ambulance Dispatchers	352	407	55	15.63	6	9	15	13.74	10
43-5032	Dispatchers, Except Police, Fire, and Ambulance	881	888	7	0.79	1	22	23	16.38	10
43-5041	Meter Readers, Utilities	114	103	-11	-9.65	0	4	4	13.89	11
43-5051	Postal Service Clerks	211	197	-14	-6.64	0	5	5	24.90	11
43-5052	Postal Service Mail Carriers	1,128	1,051	-77	-6.83	0	33	33	23.03	11
43-5053	Postal Service Mail Sorters, Processors	852	719	-133	-15.61	0	9	9	21.02	11
43-5061	Production, Planning, and Expediting Clerks	1,035	1,085	50	4.83	5	28	33	19.84	10
43-5071	Shipping, Receiving, and Traffic Clerks	4,943	5,201	258	5.22	26	118	144	14.74	11
43-5081	Stock Clerks and Order Fillers	7,967	7,653	-314	-3.94	0	189	189	11.52	11
43-5111	Weigher, Measurer, Checker & Sampler, Records	202	185	-17	-8.42	0	5	5	13.39	11
<b>43-6000</b>	<b>Secretaries and Administrative Assistants</b>	<b>13,843</b>	<b>14,652</b>	<b>809</b>	<b>5.84</b>	<b>87</b>	<b>220</b>	<b>307</b>	<b>n/a</b>	<b>n/a</b>
43-6011	Executive Secretaries & Admin. Assistants	6,879	7,560	681	9.90	68	110	178	16.90	8
43-6012	Legal Secretaries	704	743	39	5.54	4	11	15	15.55	6
43-6013	Medical Secretaries	1,455	1,600	145	9.97	15	23	38	13.01	10
43-6014	Secretaries, Excl. Legal, Medical, and Executive	4,805	4,749	-56	-1.17	0	77	77	12.48	10
<b>43-9000</b>	<b>Other Office and Administrative Support Workers</b>	<b>14,045</b>	<b>13,840</b>	<b>-205</b>	<b>-1.46</b>	<b>49</b>	<b>264</b>	<b>313</b>	<b>n/a</b>	<b>n/a</b>
43-9011	Computer Operators	462	356	-106	-22.94	0	7	7	17.06	10
43-9021	Data Entry Keyers	1,284	1,265	-19	-1.48	0	32	32	13.38	10
43-9022	Word Processors and Typists	224	202	-22	-9.82	0	4	4	15.07	10
43-9031	Desktop Publishers	*	*	*	*	*	*	*	17.89	7
43-9041	Insurance Claims and Policy Processing Clerks	2,696	2,520	-176	-6.53	0	32	32	15.52	10
43-9051	Mail Clerks & Mail Machine Operators, Excl. Postal	775	637	-138	-17.81	0	20	20	12.72	11
43-9061	Office Clerks, General	6,691	7,181	490	7.32	49	123	172	12.44	11
43-9071	Office Machine Operators, Excl. Computer	254	223	-31	-12.21	0	8	8	12.69	11
43-9081	Proofreaders and Copy Markers	214	190	-24	-11.22	0	4	4	14.82	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Admin. Support Workers, All Other	1,333	1,158	-175	-13.13	0	30	30	15.79	11

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Farming, Fishing & Forestry Occupations

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>1,435</b>	<b>1,426</b>	<b>-9</b>	<b>-0.63</b>	<b>3</b>	<b>35</b>	<b>38</b>	<b>12.65</b>	<b>n/a</b>
<b>45-1000</b>	<b>Supervisors, Farming, Fishing &amp; Forestry Workers</b>	<b>100</b>	<b>106</b>	<b>6</b>	<b>6.00</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>n/a</b>	<b>n/a</b>
45-1011	Managers of Farming, Fishing & Forestry Workers	100	106	6	6.00	1	2	3	19.73	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>1,319</b>	<b>1,306</b>	<b>-13</b>	<b>-0.99</b>	<b>2</b>	<b>33</b>	<b>35</b>	<b>n/a</b>	<b>n/a</b>
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	19.21	8
45-2021	Animal Breeders	*	*	*	*	*	*	*	13.16	8
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	*	*	*	14.94	8
45-2091	Agricultural Equipment Operators	86	79	-7	-8.14	0	2	2	13.81	11
45-2092	Farmworkers & Laborers, Crop, Nursery	890	867	-23	-2.58	0	22	22	10.13	11
45-2093	Farmworkers, Farm and Ranch Animals	251	269	18	7.17	2	6	8	10.53	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	10.90	11
<b>45-3000</b>	<b>Fishing and Hunting Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
45-3011	Fishers and Related Fishing Workers	*	*	*	*	*	*	*	n/a	11
<b>45-4000</b>	<b>Forest, Conservation, and Logging Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
45-4011	Forest and Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	12.02	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	12.75	10
45-4023	Log Graders and Scalers	*	*	*	*	*	*	*	17.41	10
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Construction & Extraction Occupations

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>47-0000 Construction and Extraction Occupations</b>		<b>24,088</b>	<b>27,453</b>	<b>3,365</b>	<b>13.97</b>	<b>339</b>	<b>449</b>	<b>788</b>	<b>18.74</b>	<b>n/a</b>
<b>47-1000</b>	<b>Supervisors, Construction and Extraction Workers</b>	<b>2,118</b>	<b>2,421</b>	<b>303</b>	<b>14.31</b>	<b>30</b>	<b>30</b>	<b>60</b>	<b>n/a</b>	<b>n/a</b>
47-1011	Managers of Constr. Trades & Extraction Workers	2,118	2,421	303	14.31	30	30	60	26.19	8
<b>47-2000</b>	<b>Construction Trades Workers</b>	<b>19,154</b>	<b>21,863</b>	<b>2,709</b>	<b>14.14</b>	<b>273</b>	<b>351</b>	<b>624</b>	<b>n/a</b>	<b>n/a</b>
47-2011	Boilermakers	59	71	12	20.34	1	2	3	23.63	9
47-2021	Brickmasons and Blockmasons	610	705	95	15.57	10	13	23	19.96	9
47-2022	Stonemasons	*	*	*	*	*	*	*	15.97	9
47-2031	Carpenters	3,316	3,807	491	14.81	49	45	94	17.16	9
47-2041	Carpet Installers	84	84	0	0.00	0	1	1	14.64	10
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	40	30	-10	-25.00	0	1	1	13.58	10
47-2043	Floor Sanders and Finishers	147	152	5	3.40	1	2	3	17.99	10
47-2044	Tile and Marble Setters	325	386	61	18.77	6	5	11	15.71	9
47-2051	Cement Masons and Concrete Finishers	588	684	96	16.33	10	17	27	15.58	10
47-2053	Terrazzo Workers and Finishers	*	*	*	*	*	*	*	n/a	9
47-2061	Construction Laborers	2,644	3,032	388	14.67	39	20	59	14.56	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	114	129	15	13.16	2	2	4	16.78	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	1,342	1,504	162	12.07	16	26	42	18.95	10
47-2081	Drywall and Ceiling Tile Installers	840	942	102	12.14	10	12	22	16.76	10
47-2082	Tapers	51	58	7	13.73	1	1	2	17.60	10
47-2111	Electricians	2,734	3,052	318	11.63	32	70	102	20.63	9
47-2121	Glaziers	244	278	34	13.93	3	4	7	14.85	9
47-2131	Insulation Workers, Floor, Ceiling, and Wall	173	193	20	11.56	2	4	6	17.99	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	22.09	10
47-2141	Painters, Construction and Maintenance	1,223	1,443	220	17.99	22	22	44	14.96	10
47-2142	Paperhangers	111	100	-11	-9.91	0	2	2	n/a	10
47-2151	Pipelayers	66	74	8	12.12	1	1	2	19.03	11
47-2152	Plumbers, Pipefitters, and Steamfitters	2,516	2,908	392	15.58	39	52	91	21.74	9
47-2161	Plasterers and Stucco Masons	45	51	6	13.33	1	1	2	16.50	9
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	*	*	*	22.79	9
47-2181	Roofers	635	762	127	20.00	13	15	28	16.17	10
47-2211	Sheet Metal Workers	463	533	70	15.12	7	11	18	19.87	9
47-2221	Structural Iron and Steel Workers	499	557	58	11.62	6	16	22	22.46	9

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49



# KIPDA Area

## Construction & Extraction Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>1,521</b>	<b>1,737</b>	<b>216</b>	<b>14.20</b>	<b>22</b>	<b>39</b>	<b>61</b>	<b>n/a</b>	<b>n/a</b>
47-3011	Helpers--Brick, Block, Stone, Tile & Marble Setters	113	132	19	16.81	2	3	5	15.91	11
47-3012	Helpers--Carpenters	226	260	34	15.04	3	6	9	12.46	11
47-3013	Helpers--Electricians	492	547	55	11.18	6	12	18	11.61	11
47-3014	Helpers--Painter, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	10.90	11
47-3015	Helpers--Pipelayer & fitter, Plumber & Steamfitter	493	579	86	17.44	9	13	22	11.99	11
47-3016	Helpers--Roofers	119	133	14	11.76	1	3	4	12.55	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	12.34	11
<b>47-4000</b>	<b>Other Construction and Related Workers</b>	<b>1,173</b>	<b>1,305</b>	<b>132</b>	<b>11.25</b>	<b>13</b>	<b>26</b>	<b>39</b>	<b>n/a</b>	<b>n/a</b>
47-4011	Construction and Building Inspectors	263	298	35	13.31	4	5	9	22.56	8
47-4021	Elevator Installers and Repairers	*	*	*	*	*	*	*	30.86	9
47-4031	Fence Erectors	61	59	-2	-3.28	0	1	1	9.70	10
47-4041	Hazardous Materials Removal Workers	200	221	21	10.50	2	4	6	15.61	10
47-4051	Highway Maintenance Workers	177	189	12	6.78	1	3	4	12.65	10
47-4061	Rail-Track Laying and Maint. Equip. Operators	*	*	*	*	*	*	*	20.61	10
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	41	45	4	9.76	0	1	1	12.53	10
47-4099	Construction and Related Workers, All Other	154	178	24	15.58	2	4	6	14.68	10
<b>47-5000</b>	<b>Extraction Workers</b>	<b>122</b>	<b>127</b>	<b>5</b>	<b>4.10</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
47-5011	Derrick Operators, Oil and Gas	*	*	*	*	*	*	*	12.42	10
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	*	*	*	27.52	10
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	*	*	*	17.14	10
47-5021	Earth Drillers, Excl. Oil and Gas	68	76	8	11.76	1	2	3	19.97	10
47-5031	Explosives Workers, Ordnance Handling & Blasters	*	*	*	*	*	*	*	19.45	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	21.77	10
47-5042	Mine Cutting and Channeling Machine Operators	*	*	*	*	*	*	*	28.50	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	20.58	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	21.49	10
47-5071	Roustabouts, Oil and Gas	*	*	*	*	*	*	*	13.90	10
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	17.34	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	19.02	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Installation, Maintenance & Repair Occs.

### Occupational Employment Outlook

Occupational Code Title		Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>49-0000 Installation, Maintenance, and Repair Occupations</b>		<b>23,775</b>	<b>25,198</b>	<b>1,423</b>	<b>5.99</b>	<b>160</b>	<b>415</b>	<b>575</b>	<b>19.24</b>	<b>n/a</b>
<b>49-1000 Supervisors of Installation, Maint. &amp; Repair Workers</b>		<b>2,307</b>	<b>2,388</b>	<b>81</b>	<b>3.51</b>	<b>8</b>	<b>54</b>	<b>62</b>	<b>n/a</b>	<b>n/a</b>
49-1011	Managers of Mechanics, Installers, and Repairers	2,307	2,388	81	3.51	8	54	62	25.60	8
<b>49-2000 Electrical &amp; Electronic Equip. Mechanics &amp; Installers</b>		<b>3,044</b>	<b>3,012</b>	<b>-32</b>	<b>-1.05</b>	<b>7</b>	<b>62</b>	<b>69</b>	<b>n/a</b>	<b>n/a</b>
49-2011	Computer, Automated Teller & Office Mach. Repair	1,155	1,129	-26	-2.25	0	13	13	18.42	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	22.85	7
49-2022	Telecommunications Equip. Installers & Repairers	851	792	-59	-6.93	0	21	21	22.93	7
49-2091	Avionics Technicians	*	*	*	*	*	*	*	24.26	7
49-2092	Electric Motor, Power Tool, and Related Repairers	272	278	6	2.21	1	10	11	15.96	7
49-2093	Elec. & Electron. Install. & Repair., Transp. Equip.	*	*	*	*	*	*	*	21.11	7
49-2094	Elec. & Electron. Repair- Comm. & Ind. Equip.	291	311	20	6.87	2	10	12	22.28	7
49-2095	Elec. & Electron. Repair- Pwrhouse, Subst. & Relay	*	*	*	*	*	*	*	26.08	7
49-2096	Electron. Equip. Install. & Repair., Motor Vehicles	76	79	3	3.95	0	2	2	17.51	7
49-2097	Electron. Home Entertain. Equip. Install & Repair	135	117	-18	-13.33	0	1	1	15.70	7
49-2098	Security and Fire Alarm Systems Installers	192	234	42	21.88	4	3	7	20.58	7
<b>49-3000 Vehicle and Mobile Equip. Mechanics, Installers</b>		<b>6,560</b>	<b>6,922</b>	<b>362</b>	<b>5.52</b>	<b>39</b>	<b>132</b>	<b>171</b>	<b>n/a</b>	<b>n/a</b>
49-3011	Aircraft Mechanics and Service Technicians	596	669	73	12.25	7	6	13	33.51	7
49-3021	Automotive Body and Related Repairers	607	604	-3	-0.49	0	14	14	19.03	9
49-3022	Automotive Glass Installers and Repairers	141	151	10	7.09	1	5	6	15.46	9
49-3023	Automotive Service Technicians and Mechanics	2,195	2,277	82	3.74	8	44	52	14.97	7
49-3031	Bus & Truck Mechanics & Diesel Eng. Specialists	1,405	1,487	82	5.84	8	31	39	17.87	7
49-3041	Farm Equipment Mechanics	96	86	-10	-10.42	0	2	2	13.34	9
49-3042	Mobile Heavy Equip. Mechanics, Excl. Engines	718	815	97	13.51	10	14	24	19.80	9
49-3043	Rail Car Repairers	66	71	5	7.58	1	1	2	20.70	9
49-3051	Motorboat Mechanics	*	*	*	*	*	*	*	12.82	9
49-3052	Motorcycle Mechanics	51	50	-1	-1.96	0	1	1	15.94	9
49-3053	Outdoor Power Equip. & Other Small Eng. Mech.	232	215	-17	-7.33	0	5	5	14.77	10
49-3091	Bicycle Repairers	36	39	3	8	0	1	1	12.51	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	14.92	9
49-3093	Tire Repairers and Changers	400	440	40	10.00	4	8	12	11.69	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Installation, Maintenance & Repair Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2010	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
<b>49-9000</b>	<b>Other Installation, Maintenance &amp; Repair Occs.</b>	<b>11,864</b>	<b>12,876</b>	<b>1,012</b>	<b>8.53</b>	<b>105</b>	<b>167</b>	<b>272</b>	<b>n/a</b>	<b>n/a</b>
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	14.47	10
49-9012	Control & Valve Install. & Repair., Excl. Mech. Door	131	147	16	12.21	2	2	4	17.09	10
49-9021	Heating, A.C. & Refrigeration Mech. & Installers	662	758	96	14.50	10	12	22	18.04	7
49-9031	Home Appliance Repairers	421	402	-19	-4.51	0	10	10	16.69	9
49-9041	Industrial Machinery Mechanics	1,665	1,766	101	6.07	10	28	38	22.27	9
49-9042	Maintenance and Repair Workers, General	4,136	4,385	249	6.02	25	10	35	16.27	10
49-9043	Maintenance Workers, Machinery	111	110	-1	-0.90	0	2	2	18.13	10
49-9044	Millwrights	314	354	40	12.74	4	4	8	25.73	9
49-9045	Refractory Materials Repairers, Excl. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers and Repairers	1,012	1,180	168	16.60	17	32	49	23.94	9
49-9052	Telecommunications Line Installers and Repairers	1,187	1,378	191	16.09	19	31	50	22.26	9
49-9061	Camera and Photographic Equipment Repairers	43	40	-3	-7	0	1	1	14.91	9
49-9062	Medical Equipment Repairers	298	353	55	18.46	6	8	14	19.58	6
49-9063	Musical Instrument Repairers and Tuners	92	99	7	7.61	1	3	4	14.85	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	18.11	9
49-9069	Precision Instrument & Equip. Repairers, Other	191	195	4	2.09	0	5	5	31.52	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Repair.	112	96	-16	-14.29	0	3	3	13.49	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Excl. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths and Safe Repairers	40	42	2	5	0	1	1	16.01	10
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	*	*	*	11.01	10
49-9096	Riggers	*	*	*	*	*	*	*	26.54	11
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	346	378	32	9	3	8	11	13.55	11
49-9099	Installation, Maint. & Repair Workers, All Other	1,090	1,180	90	8.26	9	7	16	18.53	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Production Occupations

### Occupational Employment Outlook

Occupational Code	Occupational Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>51-0000 Production Occupations</b>		<b>40,411</b>	<b>38,133</b>	<b>-2,278</b>	<b>-5.64</b>	<b>59</b>	<b>811</b>	<b>870</b>	<b>15.80</b>	<b>n/a</b>
<b>51-1000</b>	<b>Supervisors, Production Workers</b>	<b>2,588</b>	<b>2,429</b>	<b>-159</b>	<b>-6.14</b>	<b>0</b>	<b>43</b>	<b>43</b>	<b>n/a</b>	<b>n/a</b>
51-1011	Managers of Production and Operating Workers	2,588	2,429	-159	-6.14	0	43	43	24.26	8
<b>51-2000</b>	<b>Assemblers and Fabricators</b>	<b>12,679</b>	<b>11,545</b>	<b>-1,134</b>	<b>-8.94</b>	<b>1</b>	<b>261</b>	<b>262</b>	<b>n/a</b>	<b>n/a</b>
51-2011	Aircraft Structure, Surface, Rig & Systems Assemb.	*	*	*	*	*	*	*	27.06	10
51-2021	Coil Winders, Tapers, and Finishers	55	37	-18	-32.73	0	1	1	13.90	11
51-2022	Electrical and Electronic Equipment Assemblers	395	290	-105	-26.58	0	7	7	14.94	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	16.83	11
51-2031	Engine and Other Machine Assemblers	*	*	*	*	*	*	*	18.72	11
51-2041	Structural Metal Fabricators and Fitters	259	268	9	3.47	1	5	6	15.87	10
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	*	*	*	12.55	10
51-2092	Team Assemblers	6,865	6,450	-415	-6.05	0	143	143	14.86	10
51-2093	Timing Device Assemblers, Adjusters & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers and Fabricators, All Other	4,979	4,386	-593	-11.91	0	103	103	17.41	10
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>1,374</b>	<b>1,519</b>	<b>145</b>	<b>10.55</b>	<b>15</b>	<b>40</b>	<b>55</b>	<b>n/a</b>	<b>n/a</b>
51-3011	Bakers	262	301	39	14.89	4	6	10	12.23	9
51-3021	Butchers and Meat Cutters	262	258	-4	-1.53	0	8	8	14.27	9
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	376	435	59	15.69	6	12	18	11.07	11
51-3023	Slaughterers and Meat Packers	76	88	12	15.79	1	2	3	11.28	10
51-3091	Food & Tobacco Roast., Baking, Drying Mach. Ops.	*	*	*	*	*	*	*	11.33	11
51-3092	Food Batchmakers	294	329	35	11.90	4	8	12	15.06	11
51-3093	Food Cooking Machine Operators and Tenders	*	*	*	*	*	*	*	10.41	11
<b>51-4000</b>	<b>Metal Workers and Plastic Workers</b>	<b>7,558</b>	<b>7,125</b>	<b>-433</b>	<b>-5.73</b>	<b>9</b>	<b>147</b>	<b>156</b>	<b>n/a</b>	<b>n/a</b>
51-4011	Computer-Controlled Machine Tool Operators	278	273	-5	-1.80	0	3	3	16.01	10
51-4012	Numerical Tool and Process Control Programmers	56	51	-5	-8.93	0	1	1	21.33	8
51-4021	Extruding & Drawing Mach. Setters, Ops. & Tenders	223	206	-17	-7.62	0	6	6	17.19	10
51-4022	Forging Machine Setters, Operators & Tenders	*	*	*	*	*	*	*	16.59	10
51-4023	Rolling Machine Setters, Operators, and Tenders	173	168	-5	-2.89	0	4	4	15.10	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Production Occupations (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
51-4031	Cut, Punch & Press Mach. Setters, Ops. & Tenders	1,277	1,086	-191	-14.96	0	31	31	14.29	10
51-4032	Drill & Boring Mach. Tool Setters, Ops. & Tenders	77	63	-14	-18.18	0	2	2	15.66	10
51-4033	Grind, Lap, Polish & Buff Mach. Tool Setters, Ops.	279	240	-39	-13.98	0	3	3	15.46	10
51-4034	Lathe & Turning Mach. Tool Setters, Ops. & Tenders	194	167	-27	-13.92	0	4	4	15.37	10
51-4035	Milling & Planing Machine Setters, Ops. & Tenders	*	*	*	*	*	*	*	15.22	10
51-4041	Machinists	1,131	1,154	23	2.03	2	18	20	18.18	9
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	*	*	*	19.16	10
51-4052	Pourers and Casters, Metal	*	*	*	*	*	*	*	16.29	10
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	19.91	9
51-4062	Patternmakers, Metal and Plastic	*	*	*	*	*	*	*	n/a	9
51-4071	Foundry Mold and Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Mach. Setters, Ops.	392	349	-43	-10.97	0	9	9	13.95	10
51-4081	Multiple Mach. Tool Setters, Ops. & Tenders	378	380	2	0.53	0	8	8	14.47	10
51-4111	Tool and Die Makers	537	479	-58	-10.80	0	7	7	21.85	9
51-4121	Welders, Cutters, Solderers, and Brazers	1,630	1,693	63	3.87	6	35	41	16.11	7
51-4122	Welding, Soldering & Brazing Mach. Setters, Ops.	173	173	0	0.00	0	4	4	15.37	7
51-4191	Heat Treating Equip. Setters, Ops. & Tenders	*	*	*	*	*	*	*	15.70	10
51-4192	Lay-Out Workers, Metal and Plastic	*	*	*	*	*	*	*	16.46	10
51-4193	Plating & Coating Mach. Setters, Ops. & Tenders	160	142	-18	-11.25	0	5	5	13.48	10
51-4194	Tool Grinders, Filers, and Sharpeners	88	81	-7	-7.95	0	2	2	17.31	10
51-4199	Metal Workers and Plastic Workers, All Other	218	164	-54	-24.77	0	4	4	15.12	10
<b>51-5000</b>	<b>Printing Workers</b>	<b>2,596</b>	<b>2,397</b>	<b>-199</b>	<b>-7.67</b>	<b>0</b>	<b>48</b>	<b>48</b>	<b>n/a</b>	<b>n/a</b>
51-5011	Bindery Workers	458	374	-84	-18.34	0	7	7	15.53	11
51-5012	Bookbinders	55	49	-6	-10.91	0	1	1	15.67	10
51-5021	Job Printers	194	193	-1	-0.52	0	2	2	16.23	9
51-5022	Prepress Technicians and Workers	432	352	-80	-18.52	0	7	7	16.66	7
51-5023	Printing Machine Operators	1,457	1,429	-28	-1.92	0	32	32	16.79	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Production Occupations (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
<b>51-6000</b>	<b>Textile, Apparel, and Furnishings Workers</b>	<b>1,597</b>	<b>1,624</b>	<b>27</b>	<b>1.69</b>	<b>11</b>	<b>27</b>	<b>38</b>	<b>n/a</b>	<b>n/a</b>
51-6011	Laundry and Dry-Cleaning Workers	791	894	103	13.02	10	18	28	9.67	10
51-6021	Pressers, Textile, Garment, and Related Materials	222	225	3	1.35	0	2	2	9.24	11
51-6031	Sewing Machine Operators	322	288	-34	-10.56	0	3	3	9.93	10
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	12.25	11
51-6052	Tailors, Dressmakers, and Custom Sewers	81	76	-5	-6.17	0	1	1	13.69	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Mach. Setters, Ops. & Tenders	*	*	*	*	*	*	*	10.79	10
51-6063	Textile Knitting & Weaving Mach. Setters, Ops.	*	*	*	*	*	*	*	12.28	9
51-6064	Textile Wind, Twist. & Drawing Out Mach. Setters	*	*	*	*	*	*	*	14.34	10
51-6091	Extruding & Forming Mach. Setters, Ops. & Tenders	*	*	*	*	*	*	*	12.94	10
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	110	89	-21	-19.09	0	2	2	14.48	9
51-6099	Textile, Apparel & Furnishings Workers, All Other	*	*	*	*	*	*	*	19.29	11
<b>51-7000</b>	<b>Woodworkers</b>	<b>884</b>	<b>902</b>	<b>18</b>	<b>2.04</b>	<b>2</b>	<b>22</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>
51-7011	Cabinetmakers and Bench Carpenters	236	235	-1	-0.42	0	7	7	14.83	9
51-7021	Furniture Finishers	42	38	-4	-9.52	0	1	1	13.10	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine Setters, Ops. & Tenders, Wood	239	262	23	9.62	2	5	7	11.82	10
51-7042	Woodworking Machine Setters, Ops. & Tenders	361	362	1	0.28	0	9	9	11.88	10
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	9.51	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Production Occupations (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
<b>51-8000</b>	<b>Plant and System Operators</b>	<b>679</b>	<b>629</b>	<b>-50</b>	<b>-7.36</b>	<b>2</b>	<b>18</b>	<b>20</b>	<b>n/a</b>	<b>n/a</b>
51-8012	Power Distributors and Dispatchers	*	*	*	*	*	*	*	35.30	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	30.10	9
51-8021	Stationary Engineers and Boiler Operators	95	91	-4	-4.21	0	2	2	18.20	9
51-8031	Water & Liquid Waste Treatment Plant & Sys. Ops.	86	98	12	13.95	1	2	3	15.71	9
51-8091	Chemical Plant and System Operators	294	225	-69	-23.47	0	8	8	24.73	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	26.28	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	27.02	9
51-8099	Plant and System Operators, All Other	42	44	2	4.76	0	1	1	22.82	9
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>10,456</b>	<b>9,963</b>	<b>-493</b>	<b>-4.72</b>	<b>19</b>	<b>206</b>	<b>225</b>	<b>n/a</b>	<b>n/a</b>
51-9011	Chemical Equipment Operators and Tenders	517	450	-67	-12.96	0	12	12	23.62	10
51-9012	Separate, Filter, Clarify, Precipitate & Still Mach. Ops.	192	184	-8	-4.17	0	4	4	19.03	10
51-9021	Crush, Grind & Polish Mach. Setters, Ops. & Tenders	112	96	-16	-14.29	0	2	2	13.72	10
51-9022	Grinding and Polishing Workers, Hand	84	77	-7	-8.33	0	1	1	13.57	10
51-9023	Mixing & Blending Mach. Setters, Ops. & Tenders	462	426	-36	-7.79	0	8	8	14.15	10
51-9031	Cutters and Trimmers, Hand	41	44	3	7.32	0	1	1	14.86	11
51-9032	Cutting & Slicing Mach. Setters, Ops. & Tenders	474	410	-64	-13.50	0	7	7	13.68	10
51-9041	Extrude, Form, Press & Compact Mach. Ops.	116	99	-17	-14.66	0	2	2	14.92	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tenders	197	173	-24	-12.18	0	5	5	16.71	10
51-9061	Inspectors, Testers, Sorters, Samplers & Weighers	2,158	2,107	-51	-2.36	0	32	32	16.17	10
51-9071	Jewelers and Precious Stone and Metal Workers	46	39	-7	-15.22	0	1	1	16.20	7
51-9081	Dental Laboratory Technicians	250	315	65	26.00	7	5	12	18.34	10
51-9082	Medical Appliance Technicians	84	110	26	30.95	3	2	5	16.34	9
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	14.00	10
51-9111	Packaging & Filling Machine Ops. & Tenders	1,464	1,334	-130	-8.88	0	27	27	14.54	11
51-9121	Coating, Painting & Spraying Mach. Setters, Ops.	491	423	-68	-13.85	0	10	10	15.01	10
51-9122	Painters, Transportation Equipment	272	266	-6	-2.21	0	5	5	21.10	10
51-9123	Painting, Coating, and Decorating Workers	106	131	25	23.58	3	2	5	11.22	11
51-9131	Photographic Process Workers	91	55	-36	-39.56	0	3	3	11.64	11
51-9132	Photographic Processing Machine Operators	99	55	-44	-44.44	0	3	3	9.85	11

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Production Occupations (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2008	2018	2008-2018		Average Annual 2008-2018			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	Req'd~
51-9191	Cementing & Gluing Machine Ops. & Tenders	*	*	*	*	*	*	*	12.77	10
51-9192	Clean, Wash & Metal Pickling Equip. Ops. & Tend.	89	79	-10	-11.24	0	3	3	13.88	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	15.76	10
51-9194	Etchers and Engravers	49	45	-4	-8.16	0	1	1	13.17	9
51-9195	Molders, Shapers & Casters, Excl. Metal & Plastic	195	193	-2	-1.03	0	4	4	13.11	10
51-9196	Paper Goods Machine Setters, Ops. & Tenders	579	499	-80	-13.82	0	14	14	15.54	10
51-9197	Tire Builders	*	*	*	*	*	*	*	13.11	10
51-9198	Helpers--Production Workers	1,288	1,340	52	4.04	5	32	37	12.42	11
51-9199	Production Workers, All Other	947	960	13	1.37	1	20	21	13.00	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# KIPDA Area

## Transportation & Material Moving Occs.

### Occupational Employment Outlook

Occupational Code	Title	Employment*		Change 2008-2018		Job Openings Average Annual 2008-2018			Average Wage 2010	Educ/ Training Req'd~
		2008 Estimated	2018 Projected	Number	Percent	Growth	Separations	Total		
<b>53-0000 Transportation and Material Moving Occupations</b>		<b>48,061</b>	<b>49,679</b>	<b>1,618</b>	<b>3.37</b>	<b>252</b>	<b>1,128</b>	<b>1,380</b>	<b>16.14</b>	<b>n/a</b>
<b>53-1000</b>	<b>Supervisors, Transp. &amp; Material Moving Workers</b>	<b>2,355</b>	<b>2,654</b>	<b>299</b>	<b>12.70</b>	<b>30</b>	<b>48</b>	<b>78</b>	<b>n/a</b>	<b>n/a</b>
53-1011	Aircraft Cargo Handling Supervisors	329	412	83	25.23	8	7	15	19.04	8
53-1021	Mgrs. of Helpers, Laborers & Material Movers, Hand	698	786	88	12.61	9	14	23	21.05	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	1,328	1,456	128	9.64	13	27	40	23.22	8
<b>53-2000</b>	<b>Air Transportation Workers</b>	<b>3,285</b>	<b>3,752</b>	<b>467</b>	<b>14.22</b>	<b>47</b>	<b>96</b>	<b>143</b>	<b>n/a</b>	<b>n/a</b>
53-2011	Airline Pilots, Copilots, and Flight Engineers	3,191	3,636	445	13.95	45	93	138	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	75	94	19	25.33	2	2	4	46.30	9
53-2022	Airfield Operations Specialists	*	*	*	*	*	*	*	22.26	9
<b>53-3000</b>	<b>Motor Vehicle Operators</b>	<b>16,639</b>	<b>17,804</b>	<b>1,165</b>	<b>7.00</b>	<b>130</b>	<b>279</b>	<b>409</b>	<b>n/a</b>	<b>n/a</b>
53-3011	Ambulance Drivers & Attend., Excl. EMTs	*	*	*	*	*	*	*	10.78	10
53-3021	Bus Drivers, Transit and Intercity	651	750	99	15.21	10	9	19	13.13	10
53-3022	Bus Drivers, School	1,698	1,827	129	7.60	13	22	35	14.77	10
53-3031	Driver/Sales Workers	1,814	1,681	-133	-7.33	0	32	32	11.99	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	7,084	7,744	660	9.32	66	126	192	18.02	11
53-3033	Truck Drivers, Light or Delivery Services	4,281	4,584	303	7.08	30	76	106	13.74	11
53-3041	Taxi Drivers and Chauffeurs	998	1,094	96	9.62	10	13	23	8.95	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	16.01	11
<b>53-4000</b>	<b>Rail Transportation Workers</b>	<b>564</b>	<b>561</b>	<b>-3</b>	<b>-1</b>	<b>5</b>	<b>19</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	16.78	10
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	*	*	*	21.04	10
53-4031	Railroad Conductors and Yardmasters	110	129	19	17	2	4	6	21.99	10
53-4099	Rail Transportation Workers, All Other	104	94	-10	-10	0	4	4	19.23	10
<b>53-5000</b>	<b>Water Transportation Workers</b>	<b>203</b>	<b>209</b>	<b>6</b>	<b>2.96</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>n/a</b>	<b>n/a</b>
53-5011	Sailors and Marine Oilers	83	85	2	2.41	0	3	3	14.69	11
53-5021	Captains, Mates, and Pilots of Water Vessels	89	92	3	3.37	0	2	2	28.55	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	19.25	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	32.14	8

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# KIPDA Area

## Transportation & Material Moving Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training Req'd~
		2008	2018	2008-2018		Average Annual 2008-2018				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2010	
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>761</b>	<b>786</b>	<b>25</b>	<b>3.29</b>	<b>4</b>	<b>27</b>	<b>31</b>	<b>n/a</b>	<b>n/a</b>
53-6011	Bridge and Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	166	178	12	7.23	1	5	6	10.31	11
53-6031	Service Station Attendants	343	325	-18	-5.25	0	16	16	10.40	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	19.34	11
53-6051	Transportation Inspectors	123	147	24	19.51	2	4	6	32.33	8
53-6099	Transportation Workers, All Other	113	121	8	7.08	1	2	3	14.42	11
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>24,254</b>	<b>23,913</b>	<b>-341</b>	<b>-1.41</b>	<b>36</b>	<b>653</b>	<b>689</b>	<b>n/a</b>	<b>n/a</b>
53-7011	Conveyor Operators and Tenders	213	197	-16	-7.51	0	4	4	15.57	11
53-7021	Crane and Tower Operators	160	178	18	11.25	2	3	5	18.49	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	355	417	62	17.46	6	6	12	17.56	10
53-7033	Loading Machine Operators, Underground Mining	*	*	*	*	*	*	*	21.76	10
53-7041	Hoist and Winch Operators	*	*	*	*	*	*	*	17.67	10
53-7051	Industrial Truck and Tractor Operators	5,680	5,508	-172	-3.03	0	143	143	14.20	11
53-7061	Cleaners of Vehicles and Equipment	1,230	1,314	84	6.83	8	47	55	10.55	11
53-7062	Laborers & Freight, Stock & Material Movers, Hand	11,879	12,062	183	1.54	18	380	398	11.32	11
53-7063	Machine Feeders and Offbearers	938	783	-155	-16.53	0	17	17	12.94	11
53-7064	Packers and Packagers, Hand	3,071	2,728	-343	-11.17	0	37	37	10.05	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Except Wellhead Pumpers	61	45	-16	-26	0	2	2	17.53	10
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	14.55	10
53-7081	Refuse and Recyclable Material Collectors	177	185	8	4.52	1	5	6	12.92	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	21.28	11
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	*	*	*	18.39	10
53-7199	Material Moving Workers, All Other	483	490	7	1.45	1	9	10	18.25	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 49

Source: Kentucky Education and Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

## Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

### Postsecondary awards

**(1) First professional degree.** Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

**(2) Doctoral degree.** Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

**(3) Master's degree.** Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

**(4) Bachelor's or higher degree, plus work experience.** Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

**(5) Bachelor's degree.** Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

**(6) Associate's degree.** Completion of the degree usually requires at least two years of full-time academic study.

**(7) Postsecondary vocational awards.** Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

### Work-related training

**(8) Work experience in a related occupation.** Many occupations requiring work experience are managers of service, sales and related, production, other occupations, or are management occupations.

**(9) Long-term, on-the-job training.** More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations, like insurance sales and securities sales, for example, trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

**(10) Moderate-term, on-the-job training.** Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

**(11) Short-term, on-the-job training.** Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

Occupational Title	Page
--------------------	------

**A**

Accountants & Auditors	13
Actors	24
Actuaries	14
Administrative Law Judges, Adjudicators, & Hearing Officers	20
Administrative Services Managers	11
Adult Literacy, Remedial Education, & GED Teachers & Instructors	23
Advertising & Promotions Managers	11
Advertising Sales Agents	34
Advertising, Marketing, Promotions, Public Relations, & Sales Managers	11
Aerospace Engineering & Operations Technicians	16
Aerospace Engineers	15
Agents & Business Managers of Artists, Performers, & Athletes	13
Agricultural & Food Science Technicians	18
Agricultural Engineers	15
Agricultural Equipment Operators	37
Agricultural Inspectors	37
Agricultural Sciences Teachers, Postsecondary	21
Agricultural Workers	37
Agricultural Workers, All Other	37
Air Traffic Controllers	47
Air Transportation Workers	47
Aircraft Cargo Handling Supervisors	47
Aircraft Mechanics & Service Technicians	40
Aircraft Structure, Surfaces, Rigging, & Systems Assemblers	42
Airfield Operations Specialists	47
Airline Pilots, Copilots, & Flight Engineers	47
Ambulance Drivers & Attendants, Except Emergency Medical Technicians	47
Amusement & Recreation Attendants	32
Anesthesiologists	26
Animal Breeders	37
Animal Care & Service Workers	32
Animal Control Workers	29
Animal Scientists	17
Animal Trainers	32
Anthropologists & Archeologists	18
Anthropology & Archeology Teachers, Postsecondary	21
Appraisers & Assessors of Real Estate	13
Arbitrators, Mediators, & Conciliators	20
Architects, Except Landscape & Naval	15
Architects, Surveyors, & Cartographers	15
Architectural & Civil Drafters	16
Architecture & Engineering Occupations	15
Architecture Teachers, Postsecondary	21
Archivists	23
Area, Ethnic, & Cultural Studies Teachers, Postsecondary	21
Art & Design Workers	24
Art Directors	24
Art, Drama, & Music Teachers, Postsecondary	22
Artists & Related Workers, All Other	24
Arts, Design, Entertainment, Sports, & Media Occupations	24

Occupational Title	Page
--------------------	------

Assemblers & Fabricators	42
Assemblers & Fabricators, All Other	42
Astronomers	17
Athletes & Sports Competitors	24
Athletic Trainers	27
Atmospheric & Space Scientists	17
Atmospheric, Earth, Marine, & Space Sciences Teachers, Postsecondary	21
Audio & Video Equipment Technicians	25
Audiologists	26
Audio-Visual Collections Specialists	23
Automotive Body & Related Repairers	40
Automotive Glass Installers & Repairers	40
Automotive Service Technicians & Mechanics	40
Avionics Technicians	40

**B**

Bailiffs	29
Bakers	42
Barbers	32
Bartenders	30
Bicycle Repairers	40
Bill & Account Collectors	35
Billing & Posting Clerks & Machine Operators	35
Bindery Workers	43
Biochemists & Biophysicists	17
Biological Science Teachers, Postsecondary	21
Biological Scientists, All Other	17
Biological Technicians	18
Biomedical Engineers	15
Boilermakers	38
Bookbinders	43
Bookkeeping, Accounting, & Auditing Clerks	35
Brickmasons & Blockmasons	38
Bridge & Lock Tenders	48
Broadcast News Analysts	25
Broadcast Technicians	25
Brokerage Clerks	35
Budget Analysts	13
Building & Grounds Cleaning & Maintenance Occupations	31
Building Cleaning & Pest Control Workers	31
Building Cleaning Workers, All Other	31
Bus & Truck Mechanics & Diesel Engine Specialists	40
Bus Drivers, School	47
Bus Drivers, Transit & Intercity	47
Business & Financial Operations Occupations	13
Business Operations Specialists	13
Business Operations Specialists, All Other	13
Business Teachers, Postsecondary	21
Butchers & Meat Cutters	42

Occupational Title	Page
--------------------	------

**C**

Cabinetmakers & Bench Carpenters	44
Camera & Photographic Equipment Repairers	41
Camera Operators, Television, Video, & Motion Picture	25
Captains, Mates, & Pilots of Water Vessels	47
Cardiovascular Technologists & Technicians	27
Cargo & Freight Agents	36
Carpenters	38
Carpet Installers	38
Cartographers & Photogrammetrists	15
Cashiers	34
Cement Masons & Concrete Finishers	38
Cementing & Gluing Machine Operators & Tenders	46
Chefs & Head Cooks	30
Chemical Engineers	15
Chemical Equipment Operators & Tenders	45
Chemical Plant & System Operators	45
Chemical Technicians	18
Chemistry Teachers, Postsecondary	21
Chemists	17
Chief Executives	11
Child Care Workers	33
Child, Family, & School Social Workers	19
Chiropractors	26
Choreographers	24
Civil Engineering Technicians	16
Civil Engineers	15
Claims Adjusters, Examiners, & Investigators	13
Cleaners of Vehicles & Equipment	48
Cleaning, Washing, & Metal Pickling Equipment Operators & Tenders	46
Clergy	19
Clinical, Counseling, & School Psychologists	18
Coaches & Scouts	24
Coating, Painting, & Spraying Machine Setters, Operators, & Tenders	45
Coil Winders, Tapers, & Finishers	42
Coin, Vending, & Amusement Machine Servicers & Repairers	41
Combined Food Preparation & Serving Workers, Including Fast Food	30
Commercial & Industrial Designers	24
Commercial Divers	41
Commercial Pilots	47
Communications Equipment Operators	35
Communications Equipment Operators, All Other	35
Communications Teachers, Postsecondary	22
Community & Social Service Specialists, All Other	19
Community & Social Services Occupations	19
Compensation & Benefits Managers	11
Compensation, Benefits, & Job Analysis Specialists	13
Compliance Officers, Except Agriculture, Construction, Health & Safety, & Transportation	13
Computer & Information Scientists, Research	14

Occupational Title	Page
--------------------	------

Computer & Information Scientists, Research	11
Computer & Information Systems Managers	14
Computer & Mathematical Occupations	15
Computer Hardware Engineers	36
Computer Operators	14
Computer Programmers	21
Computer Science Teachers, Postsecondary	14
Computer Software Engineers, Applications	14
Computer Software Engineers, Systems Software	14
Computer Specialists	14
Computer Specialists, All Other	14
Computer Support Specialists	14
Computer Systems Analysts	40
Computer, Automated Teller, & Office Machine Repairers	42
Computer-Controlled Machine Tool Operators, Metal & Plastic	32
Concierges	17
Conservation Scientists	39
Construction & Building Inspectors	38
Construction & Extraction Occupations	39
Construction & Related Workers, All Other	38
Construction Laborers	12
Construction Managers	38
Construction Trades Workers	39
Continuous Mining Machine Operators	41
Control & Valve Installers & Repairers, Except Mechanical Door	48
Conveyor Operators & Tenders	30
Cooks & Food Preparation Workers	30
Cooks, All Other	30
Cooks, Fast Food	30
Cooks, Institution & Cafeteria	30
Cooks, Private Household	30
Cooks, Restaurant	30
Cooks, Short Order	46
Cooling & Freezing Equipment Operators & Tenders	29
Correctional Officers & Jailers	35
Correspondence Clerks	13
Cost Estimators	32
Costume Attendants	19
Counselors, All Other	19
Counselors, Social Workers, & Other Community & Social Service Specialists	34
Counter & Rental Clerks	30
Counter Attendants, Cafeteria, Food Concession, & Coffee Shop	36
Couriers & Messengers	20
Court Reporters	35
Court, Municipal, & License Clerks	24
Craft Artists	48
Crane & Tower Operators	13
Credit Analysts	35
Credit Authorizers, Checkers, & Clerks	22
Criminal Justice & Law Enforcement Teachers, Postsecondary	
Crossing Guards	29

Occupational Title	Page
Crushing, Grinding, & Polishing Machine Setters, Operators Curators	45 23
Customer Service Representatives	35
Cutters & Trimmers, Hand	45
Cutting & Slicing Machine Setters, Operators, & Tenders	45
Cutting, Punching, & Press Machine Setters, Operators, & Tenders, Metal & Plastic	43

## D

Dancers	24
Data Entry Keyers	36
Database Administrators	14
Demonstrators & Product Promoters	34
Dental Assistants	28
Dental Hygienists	27
Dental Laboratory Technicians	45
Dentists, General	26
Derrick Operators, Oil & Gas	39
Designers, All Other	24
Desktop Publishers	36
Detectives & Criminal Investigators	29
Diagnostic Medical Sonographers	27
Dietetic Technicians	27
Dietitians & Nutritionists	26
Dining Room & Cafeteria Attendants & Bartender Helpers	30
Directors, Religious Activities & Education	19
Dishwashers	30
Dispatchers, Except Police, Fire, & Ambulance	36
Door-To-Door Sales Workers, News & Street Vendors, & Related Workers	34
Drafters, All Other	16
Drafters, Engineering, & Mapping Technicians	16
Dredge Operators	48
Drilling & Boring Machine Tool Setters, Operators, & Tenders	43
Driver/Sales Workers	47
Drywall & Ceiling Tile Installers	38

## E

Earth Drillers, Except Oil & Gas	39
Economics Teachers, Postsecondary	21
Economists	18
Editors	25
Education Administrators, All Other	12
Education Administrators, Elementary & Secondary School	12
Education Administrators, Postsecondary	12
Education Administrators, Preschool & Child Care Center/Program	12
Education Teachers, Postsecondary	21
Education, Training, & Library Occupations	21
Education, Training, & Library Workers, All Other	23

Occupational Title	Page
Educational, Vocational, & School Counselors	19
Electric Motor, Power Tool, & Related Repairers	40
Electrical & Electronic Engineering Technicians	16
Electrical & Electronic Equipment Assemblers	42
Electrical & Electronic Equipment Mechanics, Installers, & Repairers	40
Electrical & Electronics Drafters	16
Electrical & Electronics Installers & Repairers, Transportation Equipment	40
Electrical & Electronics Repairers, Commercial & Industrial Equipment	40
Electrical & Electronics Repairers, Powerhouse, Substation	40
Electrical Engineers	15
Electrical Power-Line Installers & Repairers	41
Electricians	38
Electromechanical Equipment Assemblers	42
Electro-Mechanical Technicians	16
Electronic Equipment Installers & Repairers, Motor Vehicle	40
Electronic Home Entertainment Equipment Installers & Repairers	40
Electronics Engineers, Except Computer	15
Elementary School Teachers, Except Special Education	22
Elevator Installers & Repairers	39
Eligibility Interviewers, Government Programs	35
Embalmers	32
Emergency Management Specialists	13
Emergency Medical Technicians & Paramedics	27
Employment, Recruitment, & Placement Specialists	13
Engine & Other Machine Assemblers	42
Engineering Managers	12
Engineering Teachers, Postsecondary	21
Engineering Technicians, Except Drafters, All Other	16
Engineers	15
Engineers, All Other	15
English Language & Literature Teachers, Postsecondary	22
Entertainers & Performers, Sports & Related Workers	24
Entertainers & Performers, Sports & Related Workers, All	24
Entertainment Attendants & Related Workers	32
Entertainment Attendants & Related Workers, All Other	32
Environmental Engineering Technicians	16
Environmental Engineers	15
Environmental Science & Protection Technicians, Including Health	18
Environmental Scientists & Specialists, Including Health	17
Epidemiologists	17
Etchers & Engravers	46
Excavating & Loading Machine & Dragline Operators	48
Executive Secretaries & Administrative Assistants	36
Explosives Workers, Ordnance Handling Experts, & Blasters	39
Extraction Workers	39
Extraction Workers, All Other	39
Extruding & Drawing Machine Setters, Operators, & Tender	42
Extruding & Forming Machine Setters, Operators, & Tender	44
Extruding, Forming, Pressing, & Compacting Machine Setters	45

Occupational Title	Page
--------------------	------

**F**

Fabric & Apparel Patternmakers	44
Fabric Menders, Except Garment	41
Fallers	37
Family & General Practitioners	26
Farm & Home Management Advisors	23
Farm Equipment Mechanics	40
Farm Labor Contractors	37
Farm, Ranch, & Other Agricultural Managers	12
Farmers & Ranchers	12
Farming, Fishing, & Forestry Occupations	37
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	37
Farmworkers, Farm & Ranch Animals	37
Fashion Designers	24
Fence Erectors	39
Fiberglass Laminators & Fabricators	42
File Clerks	35
Film & Video Editors	25
Financial Analysts	13
Financial Clerks	35
Financial Examiners	13
Financial Managers	11
Financial Specialists	13
Financial Specialists, All Other	13
Fine Artists, Including Painters, Sculptors, & Illustrators	24
Fire Fighters	29
Fire Fighting & Prevention Workers	29
Fire Inspectors & Investigators	29
First-Line Supervisors/Managers of Construction Trades & Extraction Workers	38
First-Line Supervisors/Managers of Correctional Officers	29
First-Line Supervisors/Managers of Farming, Fishing, & Forestry Workers	37
First-Line Supervisors/Managers of Fire Fighting & Prevention Workers	29
First-Line Supervisors/Managers of Food Preparation & Serving Workers	30
First-Line Supervisors/Managers of Helpers, Laborers, & Material Movers, Hand	47
First-Line Supervisors/Managers of Housekeeping & Janitorial Workers	31
First-Line Supervisors/Managers of Landscaping, Lawn Service, & Groundskeeping Workers	31
First-Line Supervisors/Managers of Mechanics, Installers, & Repairers	40
First-Line Supervisors/Managers of Non-Retail Sales Workers	34
First-Line Supervisors/Managers of Office & Administrative Support Workers	35
First-Line Supervisors/Managers of Personal Service Workers	32
First-Line Supervisors/Managers of Police & Detectives	29
First-Line Supervisors/Managers of Production & Operating	42
First-Line Supervisors/Managers of Retail Sales Workers	34
First-Line Supervisors/Managers of Transportation & Material Moving Occupations	47
First-Line Supervisors/Managers, Protective Service Workers	29
First-Line Supervisors/Managers, Protective Service Workers, All Other	29
Fish & Game Wardens	29
Fishing & Hunting Workers	37

Occupational Title	Page
--------------------	------

Fishers & Related Fishing Workers	37
Fitness Trainers & Aerobics Instructors	33
Flight Attendants	32
Floor Layers, Except Carpet, Wood, & Hard Tiles	38
Floor Sanders & Finishers	38
Floral Designers	24
Food & Beverage Serving Workers	30
Food & Tobacco Roasting, Baking, & Drying Machine Operators & Tenders	42
Food Batchmakers	42
Food Cooking Machine Operators & Tenders	42
Food Preparation & Serving Related Occupations	30
Food Preparation & Serving Related Workers, All Other	30
Food Preparation Workers	30
Food Processing Workers	42
Food Scientists & Technologists	17
Food Servers, Nonrestaurant	30
Food Service Managers	12
Foreign Language & Literature Teachers, Postsecondary	22
Forensic Science Technicians	18
Forest & Conservation Technicians	18
Forest & Conservation Workers	37
Forest Fire Inspectors & Prevention Specialists	29
Forest, Conservation, & Logging Workers	37
Foresters	17
Forestry & Conservation Science Teachers, Postsecondary	21
Forging Machine Setters, Operators, & Tenders, Metal & Plastic	42
Foundry Mold & Coremakers	43
Funeral Attendants	32
Funeral Directors	12
Funeral Service Workers	32
Furnace, Kiln, Oven, Drier, & Kettle Operators & Tenders	45
Furniture Finishers	44

**G**

Gaming & Sports Book Writers & Runners	32
Gaming Change Persons & Booth Cashiers	34
Gaming Supervisors	32
Gaming Surveillance Officers & Gaming Investigators	29
Gas Compressor & Gas Pumping Station Operators	48
Gas Plant Operators	45
General & Operations Managers	11
Geographers	18
Geography Teachers, Postsecondary	21
Geological & Petroleum Technicians	18
Geoscientists, Except Hydrologists & Geographers	17
Glaziers	38
Graders & Sorters, Agricultural Products	37
Graduate Teaching Assistants	22
Graphic Designers	24

Occupational Title	Page
Grinding & Polishing Workers, Hand	45
Grinding, Lapping, Polishing, & Buffing Machine Tool Setters, Operators, & Tenders, Metal & Plastic	43
Grounds Maintenance Workers	31
Grounds Maintenance Workers, All Other	31
<b>H</b>	
Hairdressers, Hairstylists, & Cosmetologists	32
Hazardous Materials Removal Workers	39
Health & Safety Engineers, Except Mining Safety Engineers	15
Health Diagnosing & Treating Practitioners	26
Health Diagnosing & Treating Practitioners, All Other	26
Health Educators	19
Health Specialties Teachers, Postsecondary	21
Health Technologists & Technicians	27
Health Technologists & Technicians, All Other	27
Healthcare Practitioners & Technical Occupations	26
Healthcare Practitioners & Technical Workers, All Other	27
Healthcare Support Occupations	28
Healthcare Support Workers, All Other	28
Heat Treating Equipment Setters, Operators, & Tenders, Metal & Plastic	43
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	41
Helpers, Construction Trades	39
Helpers, Construction Trades, All Other	39
Helpers—Brickmasons, Blockmasons, Stonemasons, & Tile & Marble Setters	39
Helpers—Carpenters	39
Helpers—Electricians	39
Helpers—Extraction Workers	39
Helpers—Installation, Maintenance, & Repair Workers	41
Helpers—Painters, Paperhangers, Plasterers, & Stucco Masons	39
Helpers—Pipelayers, Plumbers, Pipefitters, & Steamfitters	39
Helpers—Production Workers	46
Helpers—Roofers	39
Highway Maintenance Workers	39
Historians	18
History Teachers, Postsecondary	22
Hoist & Winch Operators	48
Home Appliance Repairers	41
Home Economics Teachers, Postsecondary	22
Home Health Aides	28
Hosts & Hostesses, Restaurant, Lounge, & Coffee Shop	30
Hotel, Motel, & Resort Desk Clerks	35
Human Resources Assistants, Except Payroll & Timekeeping	35
Human Resources Managers, All Other	11
Human Resources, Training, & Labor Relations Specialists, All Other	13
Hydrologists	17

Occupational Title	Page
<b>I</b>	
Industrial Engineering Technicians	16
Industrial Engineers	15
Industrial Machinery Mechanics	41
Industrial Production Managers	11
Industrial Truck & Tractor Operators	48
Information & Record Clerks	35
Information & Record Clerks, All Other	35
Inspectors, Testers, Sorters, Samplers, & Weighers	45
Installation, Maintenance, & Repair Occupations	40
Installation, Maintenance, & Repair Workers, All Other	41
Instructional Coordinators	23
Insulation Workers, Floor, Ceiling, & Wall	38
Insulation Workers, Mechanical	38
Insurance Appraisers, Auto Damage	13
Insurance Claims & Policy Processing Clerks	36
Insurance Sales Agents	34
Insurance Underwriters	13
Interior Designers	24
Internists, General	26
Interpreters & Translators	25
Interviewers, Except Eligibility & Loan	35
<b>J</b>	
Janitors & Cleaners, Except Maids & Housekeeping Cleaners	31
Jewelers & Precious Stone & Metal Workers	45
Job Printers	43
Judges, Magistrate Judges, & Magistrates	20
<b>K</b>	
Kindergarten Teachers, Except Special Education	22
<b>L</b>	
Laborers & Freight, Stock, & Material Movers, Hand	48
Landscape Architects	15
Landscaping & Groundskeeping Workers	31
Lathe & Turning Machine Tool Setters, Operators, & Tenders, Metal & Plastic	43
Laundry & Dry-Cleaning Workers	44
Law Clerks	20
Law Enforcement Workers	29
Law Teachers, Postsecondary	22
Lawyers	20
Lawyers, Judges, & Related Workers	20
Lay-Out Workers, Metal & Plastic	43
Legal Occupations	20



Occupational Title	Page
--------------------	------

Legal Secretaries	36
Legal Support Workers	20
Legal Support Workers, All Other	20
Legislators	11
Librarians	23
Librarians, Curators, & Archivists	23
Library Assistants, Clerical	35
Library Science Teachers, Postsecondary	21
Library Technicians	23
Licensed Practical & Licensed Vocational Nurses	27
Life Scientists	17
Life Scientists, All Other	17
Life, Physical, & Social Science Occupations	17
Life, Physical, & Social Science Technicians	18
Life, Physical, & Social Science Technicians, All Other	18
Lifeguards, Ski Patrol, & Other Recreational Protective Service Workers	29
Loading Machine Operators, Underground Mining	48
Loan Counselors	13
Loan Interviewers & Clerks	35
Loan Officers	13
Locker Room, Coatroom, & Dressing Room Attendants	32
Locksmiths & Safe Repairers	41
Locomotive Engineers	47
Locomotive Engineers	47
Locomotive Firers	47
Lodging Managers	12
Log Graders & Scalers	37
Logging Equipment Operators	37
Logging Workers, All Other	37
Logisticians	13

<b>M</b>
----------

Machine Feeders & Offbearers	48
Machinists	43
Maids & Housekeeping Cleaners	31
Mail Clerks & Mail Machine Operators, Except Postal Service	36
Maintenance & Repair Workers, General	41
Maintenance Workers, Machinery	41
Makeup Artists, Theatrical & Performance	32
Management Analysts	13
Management Occupations	11
Managers, All Other	12
Manicurists & Pedicurists	32
Manufactured Building & Mobile Home Installers	41
Marine Engineers & Naval Architects	15
Market Research Analysts	18
Marketing Managers	11
Marriage & Family Therapists	19
Massage Therapists	28

Occupational Title	Page
--------------------	------

Material Moving Workers	48
Material Moving Workers, All Other	48
Material Recording, Scheduling, Dispatching, & Distributing Workers	36
Materials Engineers	15
Materials Scientists	17
Mathematical Science Occupations, All Other	14
Mathematical Science Teachers, Postsecondary	21
Mathematical Scientists	14
Mathematicians	14
Meat, Poultry, & Fish Cutters & Trimmers	42
Mechanical Door Repairers	41
Mechanical Drafters	16
Mechanical Engineering Technicians	16
Mechanical Engineers	15
Media & Communication Equipment Workers	25
Media & Communication Equipment Workers, All Other	25
Media & Communication Workers	25
Media & Communication Workers, All Other	25
Medical & Clinical Laboratory Technicians	27
Medical & Clinical Laboratory Technologists	27
Medical & Health Services Managers	12
Medical & Public Health Social Workers	19
Medical Appliance Technicians	45
Medical Assistants	28
Medical Equipment Preparers	28
Medical Equipment Repairers	41
Medical Records & Health Information Technicians	27
Medical Scientists, Except Epidemiologists	17
Medical Secretaries	36
Medical Transcriptionists	28
Meeting & Convention Planners	13
Mental Health & Substance Abuse Social Workers	19
Mental Health Counselors	19
Merchandise Displayers & Window Trimmers	24
Metal Workers & Plastic Workers	42
Metal Workers & Plastic Workers, All Other	43
Metal-Refining Furnace Operators & Tenders	43
Meter Readers, Utilities	36
Microbiologists	17
Middle School Teachers, Except Special & Vocational Education	22
Milling & Planing Machine Setters, Operators, & Tenders, Metal & Plastic	43
Millwrights	41
Mine Cutting & Channeling Machine Operators	39
Mining & Geological Engineers, Including Mining Safety Engineers	15
Mining Machine Operators, All Other	39
Mixing & Blending Machine Setters, Operators, & Tenders	45
Mobile Heavy Equipment Mechanics, Except Engines	40
Model Makers, Metal & Plastic	43
Model Makers, Wood	44
Models	34

Occupational Title	Page
Molders, Shapers, & Casters, Except Metal & Plastic	46
Molding, Coremaking, & Casting Machine Setters, Operators, & Tenders, Metal & Plastic	43
Motion Picture Projectionists	32
Motor Vehicle Operators	47
Motor Vehicle Operators, All Other	47
Motorboat Mechanics	40
Motorboat Operators	47
Motorcycle Mechanics	40
Multi-Media Artists & Animators	24
Multiple Machine Tool Setters, Operators, & Tenders, Metal & Plastic	43
Museum Technicians & Conservators	23
Music Directors & Composers	24
Musical Instrument Repairers & Tuners	41
Musicians & Singers	24
<b>N</b>	
Natural Sciences Managers	12
Network & Computer Systems Administrators	14
Network Systems & Data Communications Analysts	14
New Accounts Clerks	35
Nonfarm Animal Caretakers	32
Nuclear Engineers	15
Nuclear Medicine Technologists	27
Numerical Tool & Process Control Programmers	42
Nursing Aides, Orderlies, & Attendants	28
Nursing Instructors & Teachers, Postsecondary	21
Nursing, Psychiatric, & Home Health Aides	28
<b>O</b>	
Obstetricians & Gynecologists	26
Occupational & Physical Therapist Assistants & Aides	28
Occupational Health & Safety Specialists	27
Occupational Health & Safety Technicians	27
Occupational Therapist Aides	28
Occupational Therapist Assistants	28
Occupational Therapists	26
Office & Administrative Support Occupations	35
Office & Administrative Support Workers, All Other	36
Office Clerks, General	36
Office Machine Operators, Except Computer	36
Operating Engineers & Other Construction Equipment Operators	38
Operations Research Analysts	14
Operations Specialties Managers	11
Ophthalmic Laboratory Technicians	45
Opticians, Dispensing	27
Optometrists	26
Oral & Maxillofacial Surgeons	26

Occupational Title	Page
Order Clerks	35
Orthodontists	26
Orthotists & Prosthetists	27
Other Construction & Related Workers	39
Other Education, Training, & Library Occupations	23
Other Food Preparation & Serving Related Workers	30
Other Healthcare Practitioners & Technical Occupations	27
Other Healthcare Support Occupations	28
Other Installation, Maintenance, & Repair Occupations	41
Other Management Occupations	12
Other Office & Administrative Support Workers	36
Other Personal Care & Service Workers	33
Other Production Occupations	45
Other Protective Service Workers	29
Other Sales & Related Workers	34
Other Teachers & Instructors	23
Other Transportation Workers	48
Outdoor Power Equipment & Other Small Engine Mechanics	40
<b>P</b>	
Packaging & Filling Machine Operators & Tenders	45
Packers & Packagers, Hand	48
Painters, Construction & Maintenance	38
Painters, Transportation Equipment	45
Painting, Coating, & Decorating Workers	45
Paper Goods Machine Setters, Operators, & Tenders	46
Paperhangers	38
Paralegals & Legal Assistants	20
Parking Enforcement Workers	29
Parking Lot Attendants	48
Parts Salespersons	34
Patternmakers, Metal & Plastic	43
Patternmakers, Wood	44
Paving, Surfacing, & Tamping Equipment Operators	38
Payroll & Timekeeping Clerks	35
Pediatricians, General	26
Personal & Home Care Aides	33
Personal Appearance Workers	32
Personal Care & Service Occupations	32
Personal Care & Service Workers, All Other	33
Personal Financial Advisors	13
Pest Control Workers	31
Pesticide Handlers, Sprayers, & Applicators, Vegetation	31
Petroleum Engineers	15
Petroleum Pump System Operators, Refinery Operators, & Gaugers	45
Pharmacists	26
Pharmacy Aides	28
Pharmacy Technicians	27
Philosophy & Religion Teachers, Postsecondary	22

Occupational Title	Page
Photographers	25
Photographic Process Workers	45
Photographic Processing Machine Operators	45
Physical Scientists	17
Physical Scientists, All Other	17
Physical Therapist Aides	28
Physical Therapist Assistants	28
Physical Therapists	26
Physician Assistants	26
Physicians & Surgeons	26
Physicists	17
Physics Teachers, Postsecondary	21
Pile-Driver Operators	38
Pipelayers	38
Plant & System Operators	45
Plant & System Operators, All Other	45
Plasterers & Stucco Masons	38
Plating & Coating Machine Setters, Operators, & Tenders, Metal & Plastic	43
Plumbers, Pipefitters, & Steamfitters	38
Podiatrists	26
Police & Sheriff's Patrol Officers	29
Police, Fire, & Ambulance Dispatchers	36
Political Science Teachers, Postsecondary	21
Political Scientists	18
Postal Service Clerks	36
Postal Service Mail Carriers	36
Postal Service Mail Sorters, Processors, & Processing Machine Operators	36
Postmasters & Mail Superintendents	12
Postsecondary Teachers	21
Postsecondary Teachers, All Other	22
Pourers & Casters, Metal	43
Power Distributors & Dispatchers	45
Power Plant Operators	45
Precision Instrument & Equipment Repairers, All Other	41
Prepress Technicians & Workers	43
Preschool Teachers, Except Special Education	22
Pressers, Textile, Garment, & Related Materials	44
Primary, Secondary, & Special Education School Teachers	22
Printing Machine Operators	43
Printing Workers	43
Private Detectives & Investigators	29
Probation Officers & Correctional Treatment Specialists	19
Procurement Clerks	35
Producers & Directors	24
Production Occupations	42
Production Workers, All Other	46
Production, Planning, & Expediting Clerks	36
Proofreaders & Copy Markers	36
Property, Real Estate, & Community Association Managers	12
Protective Service Occupations	29
Protective Service Workers, All Other	29

Occupational Title	Page
Psychiatric Aides	28
Psychiatric Technicians	27
Psychiatrists	26
Psychologists, All Other	18
Psychology Teachers, Postsecondary	21
Public Address System & Other Announcers	25
Public Relations Managers	11
Public Relations Specialists	25
Pump Operators, Except Wellhead Pumpers	48
Purchasing Agents & Buyers, Farm Products	13
Purchasing Agents, Except Wholesale, Retail, & Farm Products	13
Purchasing Managers	11

<b>R</b>
----------

Radiation Therapists	26
Radio & Television Announcers	25
Radio Mechanics	40
Radiologic Technologists & Technicians	27
Rail Car Repairers	40
Rail Transportation Workers	47
Rail Transportation Workers, All Other	47
Railroad Brake, Signal, & Switch Operators	47
Railroad Conductors & Yardmasters	47
Rail-Track Laying & Maintenance Equipment Operators	39
Real Estate Brokers	34
Real Estate Sales Agents	34
Receptionists & Information Clerks	35
Recreation & Fitness Studies Teachers, Postsecondary	22
Recreation Workers	33
Recreational Therapists	26
Recreational Vehicle Service Technicians	40
Refractory Materials Repairers, Except Brickmasons	41
Refuse & Recyclable Material Collectors	48
Registered Nurses	26
Rehabilitation Counselors	19
Reinforcing Iron & Rebar Workers	38
Religious Workers	19
Religious Workers, All Other	19
Reporters & Correspondents	25
Reservation & Transportation Ticket Agents & Travel Clerks	35
Residential Advisors	33
Respiratory Therapists	26
Respiratory Therapy Technicians	27
Retail Sales Workers	34
Retail Salespersons	34
Riggers	41
Rock Splitters, Quarry	39
Rolling Machine Setters, Operators, & Tenders, Metal & Plastic	42
Roof Bolters, Mining	39
Roofers	38

Occupational Title	Page
--------------------	------

Rotary Drill Operators, Oil & Gas	39
Roustabouts, Oil & Gas	39

<b>S</b>
----------

Sailors & Marine Oilers	47
Sales & Related Occupations	34
Sales & Related Workers, All Other	34
Sales Engineers	34
Sales Managers	11
Sales Representatives, Services	34
Sales Representatives, Services, All Other	34
Sales Representatives, Wholesale & Manufacturing	34
Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	34
Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	34
Sawing Machine Setters, Operators, & Tenders, Wood	44
Secondary School Teachers, Except Special & Vocational Education	22
Secretaries & Administrative Assistants	36
Secretaries, Except Legal, Medical, & Executive	36
Securities, Commodities, & Financial Services Sales Agents	34
Security & Fire Alarm Systems Installers	40
Security Guards	29
Self-Enrichment Education Teachers	23
Separating, Filtering, Clarifying, Precipitating, & Still Machine Setters, Operators, & Tenders	45
Septic Tank Servicers & Sewer Pipe Cleaners	39
Service Station Attendants	48
Service Unit Operators, Oil, Gas, & Mining	39
Set & Exhibit Designers	24
Sewers, Hand	44
Sewing Machine Operators	44
Shampooers	32
Sheet Metal Workers	38
Ship Engineers	47
Shipping, Receiving, & Traffic Clerks	36
Shoe & Leather Workers & Repairers	44
Shoe Machine Operators & Tenders	44
Shuttle Car Operators	48
Signal & Track Switch Repairers	41
Skin Care Specialists	32
Slaughterers & Meat Packers	42
Social & Community Service Managers	12
Social & Human Service Assistants	19
Social Science Research Assistants	18
Social Sciences Teachers, Postsecondary, All Other	21
Social Scientists & Related Workers	18
Social Scientists & Related Workers, All Other	18
Social Work Teachers, Postsecondary	22
Social Workers, All Other	19
Sociology Teachers, Postsecondary	21

Occupational Title	Page
--------------------	------

Soil & Plant Scientists	17
Sound Engineering Technicians	25
Special Education Teachers, Middle School	22
Special Education Teachers, Preschool, Kindergarten, & Elementary	22
Special Education Teachers, Secondary School	22
Speech-Language Pathologists	26
Stationary Engineers & Boiler Operators	45
Statistical Assistants	36
Statisticians	14
Stock Clerks & Order Fillers	36
Stonemasons	38
Structural Iron & Steel Workers	38
Structural Metal Fabricators & Fitters	42
Substance Abuse & Behavioral Disorder Counselors	19
Supervisors of Installation, Maintenance, & Repair Workers	40
Supervisors, Building & Grounds Cleaning & Maintenance Workers	31
Supervisors, Construction & Extraction Workers	38
Supervisors, Farming, Fishing, & Forestry Workers	37
Supervisors, Food Preparation & Serving Workers	30
Supervisors, Office & Administrative Support Workers	35
Supervisors, Personal Care & Service Workers	32
Supervisors, Production Workers	42
Supervisors, Sales Workers	34
Supervisors, Transportation & Material Moving Workers	47
Surgeons	26
Surgical Technologists	27
Survey Researchers	18
Surveying & Mapping Technicians	16
Surveyors	15
Switchboard Operators, Including Answering Service	35

<b>T</b>
----------

Tailors, Dressmakers, & Custom Sewers	44
Tank Car, Truck, & Ship Loaders	48
Tapers	38
Tax Examiners, Collectors, & Revenue Agents	13
Tax Preparers	13
Taxi Drivers & Chauffeurs	47
Teacher Assistants	23
Teachers & Instructors, All Other	23
Team Assemblers	42
Technical Writers	25
Telecommunications Equipment Installers & Repairers, Except Line Installers	40
Telecommunications Line Installers & Repairers	41
Telemarketers	34
Telephone Operators	35
Tellers	35
Terrazzo Workers & Finishers	38
Textile Bleaching & Dyeing Machine Operators & Tenders	44
Textile Cutting Machine Setters, Operators, & Tenders	44

Occupational Title	Page
Textile Knitting & Weaving Machine Setters, Operators, & Tenders	44
Textile Winding, Twisting, & Drawing Out Machine Setters, Operators, & Tenders	44
Textile, Apparel, & Furnishings Workers	44
Textile, Apparel, & Furnishings Workers, All Other	44
Therapists, All Other	26
Tile & Marble Setters	38
Timing Device Assemblers, Adjusters, & Calibrators	42
Tire Builders	46
Tire Repairers & Changers	40
Title Examiners, Abstractors, & Searchers	20
Tool & Die Makers	43
Tool Grinders, Filers, & Sharpeners	43
Top Executives	11
Total, All Occupations	
Tour Guides & Escorts	32
Traffic Technicians	48
Training & Development Managers	11
Training & Development Specialists	13
Transit & Railroad Police	29
Transportation & Material Moving Occupations	47
Transportation Attendants, Except Flight Attendants & Baggage Porters	32
Transportation Inspectors	48
Transportation Workers, All Other	48
Transportation, Storage, & Distribution Managers	11
Transportation, Tourism, & Lodging Attendants	32
Travel Agents	34
Travel Guides	32
Tree Trimmers & Pruners	31
Truck Drivers, Heavy & Tractor-Trailer	47
Truck Drivers, Light or Delivery Services	47
<b>U</b>	
Umpires, Referees, & Other Sports Officials	24
Upholsterers	44
Urban & Regional Planners	18
Ushers, Lobby Attendants, & Ticket Takers	32
<b>V</b>	
Vehicle & Mobile Equipment Mechanics, Installers	40
Veterinarians	26
Veterinary Assistants & Laboratory Animal Caretakers	28
Veterinary Technologists & Technicians	27
Vocational Education Teachers, Middle School	22
Vocational Education Teachers, Postsecondary	22
Vocational Education Teachers, Secondary School	22

Occupational Title	Page
<b>W</b>	
Waiters & Waitresses	30
Watch Repairers	41
Water & Liquid Waste Treatment Plant & System Operators	45
Water Transportation Workers	47
Weighers, Measurers, Checkers, & Samplers, Recordkeeping	36
Welders, Cutters, Solderers, & Brazers	43
Welding, Soldering, & Brazing Machine Setters, Operators, & Tenders	43
Wellhead Pumpers	48
Wholesale & Retail Buyers, Except Farm Products	13
Woodworkers	44
Woodworkers, All Other	44
Woodworking Machine Setters, Operators, & Tenders, Except Sawing	44
Word Processors & Typists	36
Writers & Authors	25
<b>Z</b>	
Zoologists & Wildlife Biologists	17