

**FIVCO Area
Occupational Outlook to 2020**

**STEVEN L. BESHEAR
Governor**

**A LABOR MARKET INFORMATION PUBLICATION BY:
WORKFORCE INTELLIGENCE BRANCH**

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EQUAL OPPORTUNITY EMPLOYER/PROGRAM

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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 2020. Staff utilized data from all programs to create the 2020 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

FIVCO 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 *FIVCO Area Occupational Outlook to 2020* 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 2010 to 2020.

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 2010 through 2020. 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 2010-2020 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 2010-2020 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>.

FIVCO HIGHLIGHTS 2010-2020

- ✓ Employment is projected to grow from 51,514 to 58,998, a gain of 14.5 percent.
- ✓ Total annual job openings are expected to be about 2,020.
- ✓ Growth in employment will create about 780 job openings annually.
- ✓ Approximately 1,240 annual job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-nine percent of job openings will result from growth; the remaining 61 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Office and Administrative Support Occupations (302) followed by Sales and Related Occupations (237) and Healthcare Practitioners and Technical Occupations (231).
- ✓ The two occupations with the largest projected number of annual job openings are Registered Nurses (100) and Retail Salespersons (97).
- ✓ The highest growth rates among occupational groups are likely to be in Occupational and Physical Therapist Assistant and Aide Occupations (51.9%) followed by Helpers, Construction trades (50%) and Other Personal Care and Service Workers (39.8%)
- ✓ Some specific occupations with the largest percentage change are Residential Advisors (60.2%) followed by Physical Therapist Assistants (59.5%) and Mental Health and Substance Abuse Social Workers (57.1%).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	<p>1) Total average annual job openings, and 2) employment change expressed as a percentage.</p> <p>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>
What creates job openings?	<p>1) Employment growth (new jobs), and 2) employment separations (job vacancies created by persons separating from an occupation).</p>
What causes employment change?	<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>
What about employment separations?	<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>
Do workers tend to leave one occupation more than other occupations?	<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>
What factors affect the number of job openings for an occupation?	<p>1) The number of workers who are currently employed, 2) the number of job vacancies created by worker separation, and 3) the rate of change, i.e., how fast the occupation is growing or declining.</p>
Which factor is more important?	<p>The size of employment and separation rate is more important than rate of change.</p>
What is the best way to compare one occupation with another?	<p>Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicate 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

FIVCO Area Occupations with Most Annual Job Openings

Rank	SOC	Title	Employment		Change		Avg Opening
			Estimated	Projected	Number	Percent	
1	29-1111	Registered Nurses	2177	2787	610	28.0	100
2	41-2031	Retail Salespersons	2068	2431	363	17.6	97
3	41-2011	Cashiers	1536	1588	52	3.4	75
4	35-3021	Combined Food Preparation & Serving Wkrs, Incl. Fast Food	1534	1693	159	10.4	59
5	43-4051	Customer Service Representatives	1019	1277	258	25.3	55
6	43-4171	Receptionists and Information Clerks	720	1007	287	39.9	51
7	31-1012	Nursing Aides, Orderlies, and Attendants	1240	1561	321	25.9	48
8	53-7062	Laborers and Freight, Stock, & Material Movers, Hand	754	883	129	17.1	37
9	35-3031	Waiters and Waitresses	664	683	19	2.9	35
10	39-9011	Childcare Workers	436	602	166	38.1	31
11	47-2031	Carpenters	694	841	147	21.2	30
12	41-1011	First-Line Supervisors of Retail Sales Workers	863	944	81	9.4	28
13	53-3032	Heavy and Tractor-Trailer Truck Drivers	683	805	122	17.9	26
14	35-2021	Food Preparation Workers	493	546	53	10.8	23
15	47-2111	Electricians	425	534	109	25.6	23
16	25-2021	Elementary School Teachers, Except Special Education	655	725	70	10.7	21
17	25-9041	Teacher Assistants	661	721	60	9.1	21
18	43-3021	Billing and Posting Clerks	479	607	128	26.7	21
19	37-2011	Janitors & Cleaners, Except Maids & Housekeeping Clnrs.	722	784	62	8.6	20
20	37-2012	Maids and Housekeeping Cleaners	688	771	83	12.1	20
21	31-9092	Medical Assistants	359	488	129	35.9	19
22	43-9061	Office Clerks, General	608	687	79	13.0	19
23	53-5011	Sailors and Marine Oilers	408	421	13	3.2	19
24	29-2061	Licensed Practical and Licensed Vocational Nurses	319	419	100	31.3	18
25	43-3031	Bookkeeping, Accounting, and Auditing Clerks	610	707	97	15.9	17

Top 50 cont'd

FIVCO Area Occupations with Most Annual Job Openings

Rank	SOC	Title	Employment		Change		Avg Opening
			Estimated	Projected	Number	Percent	
26	43-5081	Stock Clerks and Order Fillers	507	527	20	3.9	15
27	53-3033	Light Truck or Delivery Services Drivers	311	402	91	29.3	15
28	41-4012	Sales Reps., Wholesale & Manuf., Except Tech. & Sci. Pro.	378	424	46	12.2	14
29	43-3071	Tellers	331	333	2	0.6	14
30	43-6013	Medical Secretaries	315	411	96	30.5	14
31	49-9071	Maintenance and Repair Workers, General	470	523	53	11.3	14
32	11-1021	General and Operations Managers	566	592	26	4.6	13
33	25-2031	Sec. Sch. Teachers, Except Special & Career/Tech. Educ.	454	461	7	1.5	13
34	47-1011	First-Line Supervisors of Constr. Trades & Extraction Wrks.	341	394	53	15.5	13
35	29-2052	Pharmacy Technicians	244	321	77	31.6	12
36	51-8093	Petroleum Pump System Ops., Refinery Ops., & Gaugers	365	320	-45	-12.3	12
37	21-1093	Social and Human Service Assistants	181	249	68	37.6	11
38	39-9041	Residential Advisors	113	181	68	60.2	11
39	43-6014	Secretaries & Adm. Assts., Except Legal, Med.,& Executive	588	618	30	5.1	11
40	47-2061	Construction Laborers	384	463	79	20.6	11
41	29-2041	Emergency Medical Technicians and Paramedics	241	292	51	21.2	10
42	49-1011	First-Line Supervisors of Mechanics, Installers,& Repairers	268	295	27	10.1	10
43	49-9021	Heating, A.C, and Refrigeration Mechanics and Installers	174	240	66	37.9	10
44	49-9041	Industrial Machinery Mechanics	308	345	37	12.0	10
45	51-4121	Welders, Cutters, Solderers, and Brazers	221	265	44	19.9	10
46	11-9013	Farmers, Ranchers, and Other Agricultural Managers	464	426	-38	-8.2	9
47	29-2037	Radiologic Technologists and Technicians	219	280	61	27.9	9
48	35-2012	Cooks, Institution and Cafeteria	423	414	-9	-2.1	9
49	37-3011	Landscaping and Groundskeeping Workers	238	286	48	20.2	9
50	43-6011	Executive Secretaries and Executive Adm. Assistants	370	413	43	11.6	9

**Top 50
Fastest Growing FIVCO Area Occupations**

Rank	SOC	Title	Employment		Change		Avg Opening
			Estimated	Projected	Number	Percent	
1	39-9041	Residential Advisors	113	181	68	60.2	11
2	31-2021	Physical Therapist Assistants	79	126	47	59.5	6
3	21-1023	Mental Health and Substance Abuse Social Workers	35	55	20	57.1	3
4	21-1014	Mental Health Counselors	109	170	61	56.0	8
5	49-9062	Medical Equipment Repairers	74	112	38	51.4	6
6	21-1015	Rehabilitation Counselors	53	76	23	43.4	3
7	29-2021	Dental Hygienists	78	111	33	42.3	5
8	21-1022	Healthcare Social Workers	50	71	21	42.0	3
9	19-3031	Clinical, Counseling, and School Psychologists	87	123	36	41.4	7
10	13-1051	Cost Estimators	50	70	20	40.0	3
11	43-4171	Receptionists and Information Clerks	720	1007	287	39.9	51
12	39-9011	Childcare Workers	436	602	166	38.1	31
13	49-9021	Heating, A.C. & Refrigeration Mechanics and Installers	174	240	66	37.9	10
14	39-1021	First-Line Supervisors of Personal Service Workers	90	124	34	37.8	5
15	21-1093	Social and Human Service Assistants	181	249	68	37.6	11
16	29-1123	Physical Therapists	73	100	27	37.0	4
17	29-1126	Respiratory Therapists	126	172	46	36.5	7
18	31-9092	Medical Assistants	359	488	129	35.9	19
19	31-9091	Dental Assistants	67	91	24	35.8	3
20	39-9032	Recreation Workers	103	138	35	34.0	6
21	29-1062	Family and General Practitioners	71	95	24	33.8	3
22	15-1179	Info. Security Analysts, Web Developers, & Com. Net. Arc.	30	40	10	33.3	1
23	39-9031	Fitness Trainers and Aerobics Instructors	33	44	11	33.3	1
24	29-1061	Anesthesiologists	136	181	45	33.1	7
25	29-1069	Physicians and Surgeons, All Other	100	133	33	33.0	5

Top 50 cont'd

Fastest Growing FIVCO Area Occupations

Rank	SOC	Title	Employment		Change		Avg
			Estimated	Projected	Number	Percent	Opening
26	53-1021	First-Line Superv. of Helpers, Laborers,& Mat. Movers, Hand	74	98	24	32.4	4
27	47-3013	Helpers--Electricians	31	41	10	32.3	2
28	29-2052	Pharmacy Technicians	244	321	77	31.6	12
29	29-2061	Licensed Practical and Licensed Vocational Nurses	319	419	100	31.3	18
30	29-1011	Chiropractors	64	84	20	31.3	3
31	15-1132	Software Developers, Applications	48	63	15	31.3	2
32	29-1071	Physician Assistants	32	42	10	31.3	2
33	47-2011	Boilermakers	58	76	18	31.0	4
34	53-7032	Excavating and Loading Machine and Dragline Operators	110	144	34	30.9	6
35	31-9011	Massage Therapists	55	72	17	30.9	3
36	51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and	39	51	12	30.8	2
37	15-1121	Computer Systems Analysts	49	64	15	30.6	3
38	43-6013	Medical Secretaries	315	411	96	30.5	14
39	53-3033	Light Truck or Delivery Services Drivers	311	402	91	29.3	15
40	29-2031	Cardiovascular Technologists and Technicians	69	89	20	29.0	3
41	49-9098	Helpers--Installation, Maintenance, and Repair Workers	76	98	22	28.9	6
42	29-2071	Medical Records and Health Information Technicians	108	139	31	28.7	5
43	51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	32	41	9	28.1	2
44	29-1111	Registered Nurses	2177	2787	610	28.0	100
45	11-9111	Medical and Health Services Managers	147	188	41	27.9	8
46	29-2037	Radiologic Technologists and Technicians	219	280	61	27.9	9
47	47-2221	Structural Iron and Steel Workers	109	139	30	27.5	5
48	43-3021	Billing and Posting Clerks	479	607	128	26.7	21
49	29-1051	Pharmacists	143	181	38	26.6	8
50	31-1012	Nursing Aides, Orderlies, and Attendants	1240	1561	321	25.9	48

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2010 2020		Job Growth 2010 2020		Average Annual Job Openings			Average Wage	Education/ Training Required		
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2011			
<p>Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure.</p>		<p>Estimated 2010 employment is based on the Occupational Employment Statistics (OES) Survey of employers.</p> <p>Projected 2020 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2010 and 2020.</p> <p>NOTE: The occupational employment estimates for 2010 to 2020 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</p>		<p>Number The total number of jobs in an occupation gained or lost over the 2010 to 2020 period.</p> <p>Percent Percent change in employment in an occupation over the 10 year period.</p> <p>NOTE: In Kentucky, the average growth for all occupations is projected to be 11.7 percent between 2010-2020.</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"> 1) Declining (< -4.0%) 2) Stable (-4.0% - 4.0%) 3) Growing (4.1% - 10.0%) 4) Fast Growing (10.1% - 15.0%) 5) Very Fast Growing (> 15.0%) 		<p>Growth Provide estimates of the average number of job openings expected to occur due to employment growth each year between 2010 and 2020.</p> <p>Separations 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>Total The sum of openings due to growth and openings due to separations for an occupation.</p> <p>NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.</p>			<p>Average Wage in this report always refers to the 2011 statewide mean hourly wage for each occupation.</p> <p>NOTE: For area-specific wage information, please visit the Occupational Wages section of our web site.</p>		<p>Education and/or Training Levels Required are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11).</p> <p>NOTE: The various categories are described in detail on page 49 of this report.</p>	

FIVCO Area

Management Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020				
						Growth	Sep	Total		
00-0000	Total, All Occupations	51,514	58,998	7,484	14.5	780	1240	2,020	\$18.34	n/a
11-0000	Management Occupations	2,563	2,705	142	5.5	19	50	69	\$40.36	n/a
11-1000	Top Executives	699	723	24	3.4	3	14	17	n/a	n/a
11-1011	Chief Executives	*	*	*	*	*	*	*	\$66.46	3
11-1021	General and Operations Managers	566	592	26	4.6	3	10	13	\$41.69	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	3
11-2000	Advert., Marketing, Promotions, Pub. Relations, & Sales Mgr	58	64	6	10.3	1	2	3	n/a	n/a
11-2011	Advertising and Promotions Managers	*	*	*	*	*	*	*	n/a	3
11-2021	Marketing Managers	*	*	*	*	*	*	*	\$42.93	3
11-2022	Sales Managers	30	32	2	6.7	0	1	1	\$37.70	3
11-2031	Public Relations and Fundraising Managers	*	*	*	*	*	*	*	\$36.88	3
11-3000	Operations Specialties Managers	410	432	22	5.4	2	9	11	n/a	n/a
11-3011	Administrative Services Managers	39	42	3	7.7	0	1	1	\$34.10	7
11-3021	Computer and Information Systems Managers	*	*	*	*	*	*	*	\$34.22	3
11-3031	Financial Managers	159	169	10	6.3	1	3	4	\$40.61	3
11-3051	Industrial Production Managers	46	51	5	10.9	0	1	1	\$37.11	3
11-3061	Purchasing Managers	*	*	*	*	*	*	*	\$46.01	3
11-3071	Transportation, Storage, and Distribution Managers	*	*	*	*	*	*	*	\$34.74	7
11-3111	Compensation and Benefits Managers	*	*	*	*	*	*	*	n/a	3
11-3121	Human Resources Managers	91	90	-1	-1.1	0	2	2	\$37.62	3
11-3131	Training and Development Managers	*	*	*	*	*	*	*	n/a	3

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

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

FIVCO Area

Occupational Employment Outlook

Management Occupations (cont'd)

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
11-9000	Other Management Occupations	1,396	1,486	90	6.4	13	26	39	n/a	n/a
11-9013	Farmers, Ranchers, and Other Agricultural Managers	464	426	-38	-8.2	0	9	9	n/a	7
11-9021	Construction Managers	289	340	51	17.6	5	2	7	\$44.93	4
11-9031	Education Administrators, Preschool & Childcare Center/Program	*	*	*	*	*	*	*	\$21.46	3
11-9032	Education Administrators, Elementary and Secondary School	128	133	5	3.9	0	4	4	NA	2
11-9033	Education Administrators, Postsecondary	*	*	*	*	*	*	*	n/a	2
11-9039	Education Administrators, All Other	*	*	*	*	*	*	*	n/a	3
11-9041	Architectural and Engineering Managers	31	36	5	16.1	0	1	1	\$52.09	3
11-9051	Food Service Managers	80	76	-4	-5.0	0	2	2	\$25.90	7
11-9081	Lodging Managers	*	*	*	*	*	*	*	\$18.09	7
11-9111	Medical and Health Services Managers	147	188	41	27.9	4	4	8	\$42.15	3
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	n/a	3
11-9131	Postmasters and Mail Superintendents	*	*	*	*	*	*	*	\$32.97	7
11-9141	Property, Real Estate, and Community Association Managers	42	45	3	7.1	0	1	1	NA	7
11-9151	Social and Community Service Managers	49	59	10	20.4	1	1	2	\$28.75	3
11-9161	Emergency Management Directors	*	*	*	*	*	*	*	n/a	3
11-9199	Managers, All Other	99	110	11	11.1	1	2	3	\$24.62	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Business & Financial Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
13-0000	Business and Financial Operations Occupations	1,089	1,226	137	12.6	14	22	36	\$23.76	n/a
13-1000	Business Operations Specialists	673	765	92	13.7	10	13	23	n/a	n/a
13-1021	Buyers and Purchasing Agents, Farm Products	*	*	*	*	*	*	*	n/a	7
13-1022	Wholesale and Retail Buyers, Except Farm Products	*	*	*	*	*	*	*	n/a	7
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	94	95	1	1.1	0	2	2	\$22.57	7
13-1031	Claims Adjusters, Examiners, and Investigators	31	29	-2	-6.5	0	1	1	n/a	7
13-1041	Compliance Officers	44	49	5	11.4	0	0	0	\$22.68	3
13-1051	Cost Estimators	50	70	20	40.0	2	1	3	\$29.18	3
13-1074	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	3
13-1078	Human Resources, Training, & Labor Relations Specialists, All Other	171	190	19	11.1	2	3	5	n/a	3
13-1081	Logisticians	*	*	*	*	*	*	*	n/a	3
13-1111	Management Analysts	*	*	*	*	*	*	*	\$34.40	3
13-1121	Meeting, Convention, and Event Planners	*	*	*	*	*	*	*	n/a	3
13-1141	Compensation, Benefits, and Job Analysis Specialists	*	*	*	*	*	*	*	\$21.14	3
13-1151	Training and Development Specialists	32	39	7	21.9	1	0	1	\$17.98	3
13-1161	Market Research Analysts and Marketing Specialists	*	*	*	*	*	*	*	\$24.87	3
13-1199	Business Operations Specialists, All Other	90	98	8	8.9	1	2	3	\$24.53	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Business & Financial Occs (cont'd)

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
13-2000	Financial Specialists	416	461	45	10.8	4	9	13	n/a	n/a
13-2011	Accountants and Auditors	247	271	24	9.7	2	5	7	\$25.99	3
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	*	*	*	n/a	7
13-2031	Budget Analysts	*	*	*	*	*	*	*	n/a	3
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	3
13-2051	Financial Analysts	*	*	*	*	*	*	*	\$23.06	3
13-2052	Personal Financial Advisors	*	*	*	*	*	*	*	n/a	3
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	3
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	3
13-2071	Credit Counselors	*	*	*	*	*	*	*	n/a	3
13-2072	Loan Officers	77	87	10	13.0	1	2	3	\$20.30	7
13-2081	Tax Examiners and Collectors, and Revenue Agents	*	*	*	*	*	*	*	\$18.44	3
13-2099	Financial Specialists, All Other	*	*	*	*	*	*	*	\$18.02	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Computer & Mathematical Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change 2010-2020		Job Openings Ave. Annual 2010-2020			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	Number	Percent	Growth	Sep	Total		
15-0000	Computer and Mathematical Occupations	362	428	66	18.2	7	7	14	\$28.81	n/a
15-1000	Computer Specialists	350	413	63	18.0	6	7	13	n/a	n/a
15-1121	Computer Systems Analysts	49	64	15	30.6	2	1	3	\$40.42	3
15-1131	Computer Programmers	52	52	0	0.0	0	1	1	n/a	3
15-1132	Software Developers, Applications	48	63	15	31.3	2	0	2	n/a	3
15-1133	Software Developers, Systems Software	*	*	*	*	*	*	*	n/a	3
15-1141	Database Administrators	*	*	*	*	*	*	*	n/a	3
15-1142	Network and Computer Systems Administrators	62	73	11	17.7	1	1	2	\$25.98	3
15-1150	Computer Support Specialists	98	108	10	10.2	1	3	4	n/a	6
15-1179	Info. Security Analysts, Web Developers,& Computer Network Arc.	30	40	10	33.3	1	0	1	n/a	3
15-1799	Computer Occupations, All Other	*	*	*	*	*	*	*	n/a	3
15-2000	Mathematical Science Occupations	*	*	*	*	*	*	*	n/a	n/a
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Architecture & Engineering Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020				
						Growth	Sep	Total		
17-0000	Architecture and Engineering Occupations	401	422	21	5.2	3	9	12	\$33.42	n/a
17-1000	Architects, Surveyors, and Cartographers	39	50	11	28.2	1	1	2	n/a	n/a
17-1011	Architects, Except Landscape and Naval	*	*	*	*	*	*	*	n/a	3
17-1022	Surveyors	*	*	*	*	*	*	*	\$16.88	3
17-2000	Engineers	205	206	1	0.5	1	5	6	n/a	n/a
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	3
17-2041	Chemical Engineers	*	*	*	*	*	*	*	n/a	3
17-2051	Civil Engineers	*	*	*	*	*	*	*	\$35.83	3
17-2071	Electrical Engineers	*	*	*	*	*	*	*	\$39.35	3
17-2072	Electronics Engineers, Except Computer	*	*	*	*	*	*	*	n/a	3
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	3
17-2111	Health & Safety Engineers, Except Mining Safety Engineers & Insp.	*	*	*	*	*	*	*	n/a	3
17-2112	Industrial Engineers	33	33	0	0.0	0	1	1	\$36.08	3
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	3
17-2141	Mechanical Engineers	*	*	*	*	*	*	*	\$36.87	3
17-2171	Petroleum Engineers	55	50	-5	-9.1	0	1	1	n/a	3
17-2199	Engineers, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Architecture & Engineering Occs (cont'd)

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change 2010-2020		Job Openings Ave. Annual 2010-2020			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	Number	Percent	Growth	Sep	Total		
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	157	166	9	5.7	1	3	4	n/a	n/a
17-3011	Architectural and Civil Drafters	30	31	1	3.3	0	1	1	\$23.09	4
17-3012	Electrical and Electronics Drafters	*	*	*	*	*	*	*	\$26.23	4
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	n/a	4
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	4
17-3022	Civil Engineering Technicians	*	*	*	*	*	*	*	\$20.89	4
17-3023	Electrical and Electronics Engineering Technicians	*	*	*	*	*	*	*	\$28.68	4
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	4
17-3026	Industrial Engineering Technicians	*	*	*	*	*	*	*	n/a	4
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	n/a	4
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	*	*	*	n/a	4
17-3031	Surveying and Mapping Technicians	38	46	8	21.1	1	1	2	\$14.15	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Life, Physical & Social Science Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
19-0000	Life, Physical, and Social Science Occupations	254	302	48	18.9	5	8	13	\$24.36	n/a
19-1000	Life Scientists	*	*	*	*	*	*	*	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	1
19-1012	Food Scientists and Technologists	*	*	*	*	*	*	*	n/a	3
19-1013	Soil and Plant Scientists	*	*	*	*	*	*	*	n/a	3
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	n/a	3
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	1
19-1031	Conservation Scientists	*	*	*	*	*	*	*	n/a	3
19-1032	Foresters	*	*	*	*	*	*	*	n/a	3
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	*	*	*	n/a	1
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	3
19-2000	Physical Scientists	40	45	5	12.5	1	1	2	n/a	n/a
19-2031	Chemists	*	*	*	*	*	*	*	\$28.69	3
19-2041	Environmental Scientists and Specialists, Including Health	*	*	*	*	*	*	*	n/a	3
19-2042	Geoscientists, Except Hydrologists and Geographers	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

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

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
19-3000	Social Scientists and Related Workers	122	160	38	31.1	4	4	8	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3031	Clinical, Counseling, and School Psychologists	87	123	36	41.4	4	3	7	n/a	1
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	2
19-3051	Urban and Regional Planners	*	*	*	*	*	*	*	n/a	2
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	n/a	3
19-4000	Life, Physical, and Social Science Technicians	63	63	0	0.0	0	2	2	n/a	n/a
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	n/a	4
19-4031	Chemical Technicians	*	*	*	*	*	*	*	n/a	4
19-4041	Geological and Petroleum Technicians	*	*	*	*	*	*	*	n/a	4
19-4091	Environmental Science and Protection Technicians, Including Health	*	*	*	*	*	*	*	n/a	4
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	3
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	\$20.65	4
19-4099	Life, Physical, and Social Science Technicians, All Other	*	*	*	*	*	*	*	n/a	4

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Community & Social Service Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
21-0000	Community and Social Service Occupations	836	1,082	246	29.4	25	19	44	\$16.91	n/a
21-1000	Counselors, Social Workers, & Other Comm. & Soc. Service Spe	828	1,073	245	29.6	24	18	42	n/a	n/a
21-1011	Substance Abuse and Behavioral Disorder Counselors	*	*	*	*	*	*	*	\$15.57	7
21-1012	Educational, Guidance, School, and Vocational Counselors	83	94	11	13.3	1	2	3	\$27.52	2
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	*	\$29.59	2
21-1014	Mental Health Counselors	109	170	61	56.0	6	2	8	n/a	2
21-1015	Rehabilitation Counselors	53	76	23	43.4	2	1	3	\$12.49	2
21-1021	Child, Family, and School Social Workers	260	281	21	8.1	2	6	8	\$17.74	3
21-1022	Healthcare Social Workers	50	71	21	42.0	2	1	3	\$23.58	2
21-1023	Mental Health and Substance Abuse Social Workers	35	55	20	57.1	2	1	3	\$12.62	3
21-1029	Social Workers, All Other	*	*	*	*	*	*	*	n/a	3
21-1091	Health Educators	*	*	*	*	*	*	*	n/a	3
21-1092	Probation Officers and Correctional Treatment Specialists	*	*	*	*	*	*	*	n/a	3
21-1093	Social and Human Service Assistants	181	249	68	37.6	7	4	11	\$11.91	7
21-1798	Community and Social Service Specialists, All Other	*	*	*	*	*	*	*	\$15.90	3
21-2000	Religious Workers	*	*	*	*	*	*	*	n/a	n/a
21-2011	Clergy	*	*	*	*	*	*	*	n/a	3
21-2021	Directors, Religious Activities and Education	*	*	*	*	*	*	*	n/a	3
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Occupational Employment Outlook

Legal Occupations

Code	Occupational Title	Employment		Change 2010-2020		Job Openings Ave. Annual 2010-2020			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	Number	Percent	Growth	Sep	Total		
23-0000	Legal Occupations	131	141	10	7.6	1	2	3	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	100	104	4	4.0	0	2	2	n/a	n/a
23-1011	Lawyers	81	85	4	4.9	0	2	2	\$27.95	1
23-1012	Judicial Law Clerks	*	*	*	*	*	*	*	n/a	1
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	*	*	*	n/a	3
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	*	*	*	n/a	1
23-2000	Legal Support Workers	31	37	6	19.4	1	0	1	n/a	n/a
23-2011	Paralegals and Legal Assistants	*	*	*	*	*	*	*	\$19.46	4
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	5
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	n/a	7
23-2099	Legal Support Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Education, Training & Library Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth				
						Sep	Total			
25-0000	Education, Training, and Library Occupations	2,990	3,247	257	8.6	26	70	96	\$19.93	n/a
25-1000	Postsecondary Teachers**	319	349	30	9.4	3	5	8	n/a	n/a
25-1011	Business Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1021	Computer Science Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1022	Mathematical Science Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1042	Biological Science Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1052	Chemistry Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1061	Anthropology and Archeology Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1063	Economics Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1064	Geography Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1065	Political Science Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1066	Psychology Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1067	Sociology Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1069	Social Sciences Teachers, Postsecondary, All Other**	*	*	*	*	*	*	*	n/a	1
25-1071	Health Specialties Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1072	Nursing Instructors and Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	2
25-1081	Education Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1121	Art, Drama, and Music Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1

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

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

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

FIVCO Area

Education, Training & Library Occs (cont'd)

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
25-1122	Communications Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1123	English Language and Literature Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1125	History Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	1
25-1192	Home Economics Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	2
25-1193	Recreation and Fitness Studies Teachers, Postsecondary**	*	*	*	*	*	*	*	n/a	2
25-1194	Vocational Education Teachers, Postsecondary**	181	202	21	11.6	2	3	5	\$20.90	3
25-1199	Postsecondary Teachers, All Other**	*	*	*	*	*	*	*	n/a	1
25-2000	Preschool, Primary, Sec., & Special Education Sch Teachers	1,685	1,828	143	8.5	14	42	56	n/a	n/a
25-2011	Preschool Teachers, Except Special Education**	90	110	20	22.2	2	2	4	\$19.79	4
25-2012	Kindergarten Teachers, Except Special Education**	*	*	*	*	*	*	*	NA	3
25-2021	Elementary School Teachers, Except Special Education**	655	725	70	10.7	7	14	21	n/a	3
25-2022	Mid. Sch. Teachers, Except Special & Career/Technical Education	236	262	26	11.0	3	5	8	n/a	3
25-2031	Sec. Sch. Teachers, Except Special & Career/Technical Education	454	461	7	1.5	1	12	13	n/a	3
25-2032	Career/Technical Education Teachers, Secondary School**	*	*	*	*	*	*	*	n/a	3
25-2041	Special Education Teachers, Preschool, Kindergarten, & Elem. Sch.	85	96	11	12.9	1	2	3	n/a	3
25-2053	Special Education Teachers, Middle School**	54	61	7	13.0	1	2	3	n/a	3
25-2054	Special Education Teachers, Secondary School**	70	71	1	1.4	0	2	2	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

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

FIVCO Area

Education, Training & Library Occs (cont'd)

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
25-3000	Other Teachers and Instructors	75	81	6	8.0	1	1	2	n/a	n/a
25-3011	Adult Basic & Sec. Education & Literacy Teachers & Instructors**	*	*	*	*	*	*	*	\$20.98	3
25-3021	Self-Enrichment Education Teachers**	*	*	*	*	*	*	*	\$17.71	7
25-3999	Teachers and Instructors, All Other	48	49	1	2.1	0	1	1	NA	3
25-4000	Librarians, Curators, and Archivists	136	143	7	5.1	1	5	6	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	2
25-4013	Museum Technicians and Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	72	74	2	2.8	0	2	2	\$25.24	2
25-4031	Library Technicians	64	69	5	7.8	0	3	3	\$14.22	5
25-9000	Other Education, Training, and Library Occupations	775	846	71	9.2	7	17	24	n/a	n/a
25-9021	Farm and Home Management Advisors	*	*	*	*	*	*	*	n/a	2
25-9031	Instructional Coordinators	*	*	*	*	*	*	*	n/a	2
25-9041	Teacher Assistants	661	721	60	9.1	6	15	21	n/a	7
25-9099	Education, Training, and Library Workers, All Other	65	70	5	7.7	0	1	1	\$14.32	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

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

FIVCO Area

Arts, Design, Entertainment, Sports & Media Occs

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
27-0000	Arts, Design, Entertainment, Sports, & Media Occupations	277	306	29	10.5	3	7	10	\$16.75	n/a
27-1000	Art and Design Workers	66	67	1	1.5	0	2	2	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	3
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	*	*	*	*	*	*	*	n/a	7
27-1014	Multi-Media Artists and Animators	*	*	*	*	*	*	*	n/a	3
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	n/a	3
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	7
27-1023	Floral Designers	*	*	*	*	*	*	*	\$10.66	7
27-1024	Graphic Designers	*	*	*	*	*	*	*	\$12.75	3
27-1025	Interior Designers	*	*	*	*	*	*	*	n/a	3
27-1026	Merchandise Displayers and Window Trimmers	*	*	*	*	*	*	*	\$9.26	7
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	3
27-2000	Entertainers and Performers, Sports and Related Workers	79	90	11	13.9	1	2	3	n/a	n/a
27-2012	Producers and Directors	*	*	*	*	*	*	*	n/a	3
27-2021	Athletes and Sports Competitors	*	*	*	*	*	*	*	n/a	7
27-2022	Coaches and Scouts	39	46	7	17.9	1	1	2	NA	7
27-2023	Umpires, Referees, and Other Sports Officials	31	35	4	12.9	0	1	1	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Arts, Design, Entertainment, Sports & Media Occs

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
27-3000	Media and Communication Workers	90	104	14	15.6	2	2	4	n/a	n/a
27-3012	Public Address System and Other Announcers	*	*	*	*	*	*	*	n/a	7
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	3
27-3022	Reporters and Correspondents	*	*	*	*	*	*	*	n/a	3
27-3031	Public Relations Specialists	55	69	14	25.5	1	2	3	\$21.26	3
27-3041	Editors	*	*	*	*	*	*	*	n/a	3
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	3
27-3043	Writers and Authors	*	*	*	*	*	*	*	n/a	3
27-3091	Interpreters and Translators	*	*	*	*	*	*	*	n/a	3
27-3099	Media and Communication Workers, All Other	*	*	*	*	*	*	*	n/a	7
27-4000	Media and Communication Equipment Workers	42	45	3	7.1	0	1	1	n/a	n/a
27-4011	Audio and Video Equipment Technicians	*	*	*	*	*	*	*	n/a	5
27-4012	Broadcast Technicians	*	*	*	*	*	*	*	n/a	4
27-4021	Photographers	31	34	3	9.7	0	0	0	n/a	7
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Healthcare Practitioners & Technical Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	Sep	Total		
29-0000	Healthcare Practitioners and Technical Occupations	4,870	6,230	1,360	27.9	136	95	231	\$31.20	n/a
29-1000	Health Diagnosing and Treating Practitioners	3,188	4,108	920	28.9	92	61	153	n/a	n/a
29-1011	Chiropractors	64	84	20	31.3	2	1	3	\$32.54	1
29-1021	Dentists, General	46	56	10	21.7	1	1	2	\$71.97	1
29-1029	Dentists, All Other Specialists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians and Nutritionists	*	*	*	*	*	*	*	\$17.53	3
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	143	181	38	26.6	4	4	8	\$66.51	1
29-1061	Anesthesiologists	136	181	45	33.1	4	3	7	n/a	1
29-1062	Family and General Practitioners	71	95	24	33.8	2	1	3	\$74.26	1
29-1063	Internists, General	*	*	*	*	*	*	*	n/a	1
29-1066	Psychiatrists	*	*	*	*	*	*	*	n/a	1
29-1067	Surgeons	*	*	*	*	*	*	*	\$119.21	1
29-1069	Physicians and Surgeons, All Other	100	133	33	33.0	3	2	5	\$115.51	1
29-1071	Physician Assistants	32	42	10	31.3	1	1	2	\$42.71	2
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	2,177	2,787	610	28.0	61	39	100	n/a	4
29-1122	Occupational Therapists	*	*	*	*	*	*	*	\$34.79	2
29-1123	Physical Therapists	73	100	27	37.0	3	1	4	\$39.10	1
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	4
29-1126	Respiratory Therapists	126	172	46	36.5	5	2	7	\$22.56	4
29-1127	Speech-Language Pathologists	51	56	5	9.8	0	1	1	\$28.04	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Healthcare Practitioners & Technical Occs

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
29-1128	Therapists, all other	*	*	*	*	*	*	*	n/a	2
29-1131	Veterinarians	*	*	*	*	*	*	*	n/a	1
29-1181	Audiologists	*	*	*	*	*	*	*	\$28.51	1
29-2000	Health Technologists and Technicians	1,626	2,067	441	27.1	44	32	76	n/a	n/a
29-2011	Medical and Clinical Laboratory Technologists	35	36	1	2.9	0	1	1	n/a	3
29-2012	Medical and Clinical Laboratory Technicians	*	*	*	*	*	*	*	\$19.53	4
29-2021	Dental Hygienists	78	111	33	42.3	3	2	5	\$26.49	4
29-2031	Cardiovascular Technologists and Technicians	69	89	20	29.0	2	1	3	n/a	4
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	\$29.15	4
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	4
29-2037	Radiologic Technologists and Technicians	219	280	61	27.9	6	3	9	n/a	4
29-2041	Emergency Medical Technicians and Paramedics	241	292	51	21.2	5	5	10	\$13.71	5
29-2051	Dietetic Technicians	45	51	6	13.3	1	1	2	\$11.02	7
29-2052	Pharmacy Technicians	244	321	77	31.6	8	4	12	\$12.54	7
29-2053	Psychiatric Technicians	*	*	*	*	*	*	*	n/a	5
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	n/a	4
29-2055	Surgical Technologists	130	158	28	21.5	3	2	5	n/a	5
29-2056	Veterinary Technologists and Technicians	*	*	*	*	*	*	*	n/a	4
29-2061	Licensed Practical and Licensed Vocational Nurses	319	419	100	31.3	10	8	18	\$16.77	5
29-2071	Medical Records and Health Information Technicians	108	139	31	28.7	3	2	5	\$14.73	5
29-2081	Opticians, Dispensing	*	*	*	*	*	*	*	\$13.76	7
29-2799	Health Technologists and Technicians, All Other	45	50	5	11.1	0	1	1	\$20.14	5
29-9000	Other Healthcare Practitioners and Technical Occupations	56	55	-1	-1.8	0	2	2	\$31.20	n/a
29-9011	Occupational Health and Safety Specialists	35	32	-3	-8.6	0	1	1	\$26.55	3
29-9012	Occupational Health and Safety Technicians	*	*	*	*	*	*	*	n/a	7
29-9799	Healthcare Practitioners and Technical Workers, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Healthcare Practitioners & Technical Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
31-0000	Healthcare Support Occupations	2,202	2,888	686	31.2	69	31	100	\$11.66	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	1,319	1,714	395	29.9	40	17	57	n/a	n/a
31-1011	Home Health Aides	*	*	*	*	*	*	*	\$9.39	8
31-1012	Nursing Aides, Orderlies, and Attendants	1,240	1,561	321	25.9	32	16	48	n/a	5
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	7
31-2000	Occupational Therapy & Physical Therapist Asst. & Aides	162	246	84	51.9	8	2	10	n/a	n/a
31-2011	Occupational Therapy Assistants	*	*	*	*	*	*	*	n/a	4
31-2021	Physical Therapist Assistants	79	126	47	59.5	5	1	6	\$23.42	4
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	\$12.66	7
31-9000	Other Healthcare Support Occupations	721	928	207	28.7	21	11	32	n/a	n/a
31-9011	Massage Therapists	55	72	17	30.9	2	1	3	\$14.59	5
31-9091	Dental Assistants	67	91	24	35.8	2	1	3	\$14.82	5
31-9092	Medical Assistants	359	488	129	35.9	13	6	19	\$11.07	7
31-9093	Medical Equipment Preparers	48	54	6	12.5	1	1	2	n/a	7
31-9094	Medical Transcriptionists	*	*	*	*	*	*	*	n/a	5
31-9095	Pharmacy Aides	51	62	11	21.6	1	1	2	n/a	7
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	7
31-9799	Healthcare Support Workers, All Other	74	88	14	18.9	1	1	2	\$15.69	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Occupational Employment Outlook

Protective Service Occupations

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
33-0000	Protective Service Occupations	1,078	1,141	63	5.8	7	28	35	\$15.90	n/a
33-1000	Supervisors of Protective Service Workers	143	151	8	5.6	1	5	6	n/a	n/a
33-1011	First-Line Supervisors of Correctional Officers	55	56	1	1.8	0	2	2	\$21.82	7
33-1012	First-Line Supervisors of Police and Detectives	*	*	*	*	*	*	*	\$27.35	7
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	*	*	*	*	*	*	*	\$20.49	5
33-1099	First-Line Supervisors of Protective Service Workers, All Other	42	46	4	9.5	0	1	1	\$16.88	7
33-2000	Fire Fighting and Prevention Workers	65	70	5	7.7	0	2	2	n/a	n/a
33-2011	Firefighters	*	*	*	*	*	*	*	n/a	5
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	n/a	7
33-3000	Law Enforcement Workers	654	668	14	2.1	2	14	16	n/a	n/a
33-3011	Bailiffs	*	*	*	*	*	*	*	\$8.26	7
33-3012	Correctional Officers and Jailers	385	381	-4	-1.0	0	7	7	\$18.09	7
33-3021	Detectives and Criminal Investigators	*	*	*	*	*	*	*	n/a	7
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	n/a	7
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	7
33-3051	Police and Sheriff's Patrol Officers	223	240	17	7.6	2	6	8	\$18.38	7
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	n/a	7
33-9000	Other Protective Service Workers	216	252	36	16.7	4	7	11	n/a	n/a
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	7
33-9032	Security Guards	142	171	29	20.4	3	2	5	\$10.66	7
33-9092	Lifeguards, Ski Patrol, & Other Recreational Protective Service Wrk	54	58	4	7.4	0	4	4	n/a	7
33-9099	Protective Service Workers, All Other	*	*	*	*	*	*	*	\$13.61	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Food Preparation & Serving Related Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change 2010-2020		Job Openings Ave. Annual 2010-2020			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	Number	Percent	Growth	Sep	Total		
35-0000	Food Preparation and Serving Related Occupations	4,840	5,129	289	6.0	34	149	183	\$9.39	n/a
35-1000	Supervisors of Food Preparation and Serving Workers	577	600	23	4.0	2	12	14	n/a	n/a
35-1011	Chefs and Head Cooks	*	*	*	*	*	*	*	n/a	7
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	*	*	*	*	*	*	*	\$13.53	7
35-2000	Cooks and Food Preparation Workers	1,609	1,640	31	1.9	8	42	50	n/a	n/a
35-2011	Cooks, Fast Food	400	365	-35	-8.8	0	8	8	\$8.14	8
35-2012	Cooks, Institution and Cafeteria	423	414	-9	-2.1	0	9	9	\$10.23	8
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	5
35-2014	Cooks, Restaurant	290	312	22	7.6	2	6	8	\$9.38	8
35-2015	Cooks, Short Order	*	*	*	*	*	*	*	\$8.89	8
35-2021	Food Preparation Workers	493	546	53	10.8	5	18	23	\$9.25	8
35-3000	Food and Beverage Serving Workers	2,438	2,673	235	9.6	24	84	108	n/a	n/a
35-3011	Bartenders	129	137	8	6.2	1	4	5	\$10.37	8
35-3021	Combined Food Preparation & Serving Workers, Including Fast Food	1,534	1,693	159	10.4	16	43	59	\$8.17	8
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	*	*	*	*	*	*	*	n/a	8
35-3031	Waiters and Waitresses	664	683	19	2.9	2	33	35	\$9.25	8
35-3041	Food Servers, Nonrestaurant	*	*	*	*	*	*	*	n/a	8
35-9000	Other Food Preparation and Serving Related Workers	216	216	0	0.0	0	12	12	n/a	n/a
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	*	*	*	*	*	*	*	n/a	8
35-9021	Dishwashers	106	106	0	0.0	0	5	5	\$8.39	8
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	80	80	0	0.0	0	6	6	\$8.27	8
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Building, Grounds Cleaning & Maintenance Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
37-0000	Building & Grounds Cleaning & Maintenance Occupations	1,809	2,020	211	11.7	21	32	53	\$10.50	n/a
37-1000	Supervisors of Bldg. & Grounds Cleaning & Maint. Workers	132	147	15	11.4	2	2	4	n/a	n/a
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	52	53	1	1.9	0	1	1	\$15.46	7
37-1012	First-Line Superv. of Landsc., Lawn Service, & Groundskeeping Wrks	80	94	14	17.5	1	1	2	\$15.97	7
37-2000	Building Cleaning and Pest Control Workers	1,412	1,558	146	10.3	15	25	40	n/a	n/a
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	722	784	62	8.6	6	14	20	\$10.24	8
37-2012	Maids and Housekeeping Cleaners	688	771	83	12.1	8	12	20	\$9.81	8
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	7
37-2021	Pest Control Workers	*	*	*	*	*	*	*	n/a	7
37-3000	Grounds Maintenance Workers	265	315	50	18.9	5	5	10	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	238	286	48	20.2	5	4	9	\$10.34	8
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	*	*	*	*	*	*	*	n/a	7
37-3013	Tree Trimmers and Pruners	*	*	*	*	*	*	*	n/a	7
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Personal Care & Service Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change 2010-2020		Job Openings Ave. Annual 2010-2020			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	Number	Percent	Growth	Sep	Total		
39-0000	Personal Care and Service Occupations	1244	1625	381	30.6	38	36	74	\$9.92	n/a
39-1000	Supervisors of Personal Care and Service Workers	90	124	34	37.8	3	2	5	n/a	n/a
39-1021	First-Line Supervisors of Personal Service Workers	90	124	34	37.8	3	2	5	\$13.28	7
39-2000	Animal Care and Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-2011	Animal Trainers	*	*	*	*	*	*	*	n/a	7
39-2021	Nonfarm Animal Caretakers	*	*	*	*	*	*	*	\$9.07	8
39-3000	Entertainment Attendants and Related Workers	83	100	17	20.5	2	5	7	n/a	n/a
39-3031	Ushers, Lobby Attendants, and Ticket Takers	*	*	*	*	*	*	*	n/a	8
39-3091	Amusement and Recreation Attendants	40	46	6	15.0	1	2	3	\$9.16	8
39-3099	Entertainment Attendants and Related Workers, All Other	*	*	*	*	*	*	*	n/a	7
39-4000	Funeral Service Workers	106	114	8	7.5	1	4	5	n/a	n/a
39-4021	Funeral Attendants	57	57	0	0.0	0	3	3	\$10.90	7
39-4831	Funeral service managers, directors, morticians, and undertakers	49	57	8	16.3	1	1	2	\$17.59	4
39-5000	Personal Appearance Workers	203	228	25	12.3	2	4	6	n/a	n/a
39-5012	Hairdressers, Hairstylists, and Cosmetologists	203	228	25	12.3	2	4	6	\$9.93	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Personal Care & Service Occupations (cont'd)

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
39-6000	Baggage Porters, Bellhops, and Concierges	*	*	*	*	*	*	*	n/a	n/a
39-6011	Baggage Porters and Bellhops	*	*	*	*	*	*	*	n/a	7
39-6012	Concierges	*	*	*	*	*	*	*	n/a	7
39-7000	Tour and Travel Guides	*	*	*	*	*	*	*	n/a	n/a
39-7011	Tour Guides and Escorts	*	*	*	*	*	*	*	n/a	7
39-9000	Other Personal Care and Service Workers	733	1025	292	39.8	29	21	50	n/a	n/a
39-9011	Childcare Workers	436	602	166	38.1	17	14	31	\$8.77	7
39-9021	Personal Care Aides	*	*	*	*	*	*	*	n/a	8
39-9031	Fitness Trainers and Aerobics Instructors	33	44	11	33.3	1	0	1	n/a	7
39-9032	Recreation Workers	103	138	35	34.0	4	2	6	\$11.88	3
39-9041	Residential Advisors	113	181	68	60.2	7	4	11	\$8.72	6
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Sales & Related Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020				
						Growth	Sep	Total		
41-0000	Sales and Related Occupations	5,431	6,056	625	11.5	62	175	237	\$14.56	n/a
41-1000	Supervisors of Sales Workers	937	1,021	84	9.0	8	22	30	n/a	n/a
41-1011	First-Line Supervisors of Retail Sales Workers	863	944	81	9.4	8	20	28	\$14.31	7
41-1012	First-Line Supervisors of Non-Retail Sales Workers	74	77	3	4.1	0	2	2	\$24.45	7
41-2000	Retail Sales Workers	3,785	4,218	433	11.4	43	136	179	n/a	n/a
41-2011	Cashiers	1,536	1,588	52	3.4	5	70	75	\$8.47	8
41-2021	Counter and Rental Clerks	111	120	9	8.1	1	2	3	\$9.41	8
41-2022	Parts Salespersons	70	79	9	12.9	1	3	4	\$14.13	8
41-2031	Retail Salespersons	2,068	2,431	363	17.6	36	61	97	\$9.94	8
41-3000	Sales Representatives, Services	172	205	33	19.2	3	4	7	n/a	n/a
41-3011	Advertising Sales Agents	*	*	*	*	*	*	*	n/a	7
41-3021	Insurance Sales Agents	92	113	21	22.8	2	2	4	\$33.69	7
41-3031	Securities, Commodities, and Financial Services Sales Agents	*	*	*	*	*	*	*	\$16.15	3
41-3099	Sales Representatives, Services, All Other	66	74	8	12.1	1	2	3	\$31.73	7
41-4000	Sales Representatives, Wholesale and Manufacturing	434	492	58	13.4	6	10	16	n/a	n/a
41-4011	Sales Reps., Wholesale & Manufacturing, Tech.& Scientific Products	56	68	12	21.4	1	1	2	\$26.29	3
41-4012	Sales Reps., Wholesale & Manufacturing, Except Tech.& Sci.Products	378	424	46	12.2	5	9	14	NA	7
41-9000	Other Sales and Related Workers	103	120	17	16.5	2	2	4	n/a	n/a
41-9011	Demonstrators and Product Promoters	*	*	*	*	*	*	*	n/a	7
41-9022	Real Estate Sales Agents	74	86	12	16.2	1	2	3	\$14.10	7
41-9041	Telemarketers	*	*	*	*	*	*	*	n/a	8
41-9799	Sales and Related Workers, All Other	*	*	*	*	*	*	*	\$11.33	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Office & Administrative Support Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth	Sep	Total		
43-0000	Office and Administrative Support Occupations	7,671	8,925	1,254	16.3	129	173	302	\$13.70	n/a
43-1000	Supervisors of Office and Administrative Support Workers	*	*	*	*	*	*	*	n/a	n/a
43-1011	First-Line Supervisors of Office and Administrative Support Workers	*	*	*	*	*	*	*	\$19.23	7
43-2000	Communications Equipment Operators	*	*	*	*	*	*	*	n/a	n/a
43-2011	Switchboard Operators, Including Answering Service	*	*	*	*	*	*	*	\$10.80	7
43-3000	Financial Clerks	1,623	1,889	266	16.4	27	33	60	n/a	n/a
43-3011	Bill and Account Collectors	119	145	26	21.8	3	2	5	\$13.96	7
43-3021	Billing and Posting Clerks	479	607	128	26.7	13	8	21	\$13.40	7
43-3031	Bookkeeping, Accounting, and Auditing Clerks	610	707	97	15.9	10	7	17	\$14.37	7
43-3051	Payroll and Timekeeping Clerks	73	86	13	17.8	1	2	3	\$15.96	7
43-3061	Procurement Clerks	*	*	*	*	*	*	*	\$20.01	7
43-3071	Tellers	331	333	2	0.6	0	14	14	\$9.61	7
43-4000	Information and Record Clerks	2,402	3,015	613	25.5	62	70	132	n/a	n/a
43-4031	Court, Municipal, and License Clerks	98	105	7	7.1	1	3	4	\$13.66	7
43-4041	Credit Authorizers, Checkers, and Clerks	*	*	*	*	*	*	*	n/a	7
43-4051	Customer Service Representatives	1,019	1,277	258	25.3	26	29	55	\$13.49	7
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	\$20.80	4
43-4071	File Clerks	34	35	1	2.9	0	1	1	\$10.89	7
43-4081	Hotel, Motel, and Resort Desk Clerks	100	110	10	10.0	1	4	5	\$9.47	7
43-4111	Interviewers, Except Eligibility and Loan	181	219	38	21.0	4	4	8	\$12.82	7
43-4121	Library Assistants, Clerical	71	76	5	7.0	0	3	3	\$9.68	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Office & Administrative Support Occs (cont'd)

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
43-4131	Loan Interviewers and Clerks	34	32	-2	-5.9	0	1	1	\$14.27	7
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	7
43-4151	Order Clerks	63	68	5	7.9	0	2	2	\$10.23	7
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	*	*	*	*	*	*	*	\$14.43	7
43-4171	Receptionists and Information Clerks	720	1007	287	39.9	29	22	51	\$10.86	7
43-4199	Information and Record Clerks, All Other	35	35	0	0.0	0	1	1	\$17.27	7
43-5000	Material Recording, Scheduling, Dispatching, & Dist. Workers	1,064	1,110	46	4.3	7	26	33	n/a	n/a
43-5021	Couriers and Messengers	*	*	*	*	*	*	*	\$11.25	7
43-5031	Police, Fire, and Ambulance Dispatchers	79	87	8	10.1	1	2	3	\$12.40	7
43-5032	Dispatchers, Except Police, Fire, and Ambulance	33	39	6	18.2	1	1	2	\$15.26	7
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	\$13.34	7
43-5051	Postal Service Clerks	30	21	-9	-30.0	0	1	1	\$24.96	7
43-5052	Postal Service Mail Carriers	128	154	26	20.3	3	4	7	\$24.53	7
43-5053	Postal Service Mail Sorters, Processors, & Processing Machine Ops.	45	32	-13	-28.9	0	0	0	\$20.41	7
43-5061	Production, Planning, and Expediting Clerks	111	112	1	0.9	0	3	3	\$21.83	7
43-5071	Shipping, Receiving, and Traffic Clerks	83	82	-1	-1.2	0	2	2	\$17.72	7
43-5081	Stock Clerks and Order Fillers	507	527	20	3.9	2	13	15	\$10.94	7
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	*	*	*	*	*	*	*	\$11.77	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Office & Administrative Support Occs (cont'd)

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
43-6000	Secretaries and Administrative Assistants	1,392	1,562	170	12.2	17	19	36	n/a	n/a
43-6011	Executive Secretaries and Executive Administrative Assistants	370	413	43	11.6	4	5	9	\$19.22	7
43-6012	Legal Secretaries	119	120	1	0.8	0	2	2	\$14.94	7
43-6013	Medical Secretaries	315	411	96	30.5	10	4	14	\$13.65	7
43-6014	Secretaries & Adm. Assistants, Except Legal, Medical, & Executive	588	618	30	5.1	3	8	11	\$12.78	7
43-9000	Other Office and Administrative Support Workers	696	772	76	10.9	8	12	20	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	\$13.36	7
43-9021	Data Entry Keyers	40	37	-3	-7.5	0	1	1	\$15.03	7
43-9022	Word Processors and Typists	*	*	*	*	*	*	*	n/a	7
43-9031	Desktop Publishers	*	*	*	*	*	*	*	n/a	4
43-9041	Insurance Claims and Policy Processing Clerks	*	*	*	*	*	*	*	\$19.00	7
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	*	*	*	*	*	*	*	\$11.36	7
43-9061	Office Clerks, General	608	687	79	13.0	8	11	19	\$11.65	7
43-9071	Office Machine Operators, Except Computer	*	*	*	*	*	*	*	n/a	7
43-9081	Proofreaders and Copy Markers	*	*	*	*	*	*	*	n/a	3
43-9799	Office and Administrative Support Workers, All Other	*	*	*	*	*	*	*	\$18.77	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Farming, Fishing & Forestry Occs

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
45-0000	Farming, Fishing, and Forestry Occupations	334	318	-16	-4.8	0	10	10	n/a	n/a
45-1000	Supervisors of Farming, Fishing, and Forestry Workers	*	*	*	*	*	*	*	n/a	n/a
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	*	*	*	*	*	*	*	n/a	7
45-2000	Agricultural Workers	316	299	-17	-5.4	0	10	10	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	3
45-2021	Animal Breeders	*	*	*	*	*	*	*	n/a	7
45-2041	Graders and Sorters, Agricultural Products	*	*	*	*	*	*	*	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	8
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	248	236	-12	-4.8	0	8	8	n/a	8
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	*	*	*	*	*	*	*	n/a	8
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	8
45-3000	Fishing and Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers and Related Fishing Workers	*	*	*	*	*	*	*	n/a	8
45-4000	Forest, Conservation, and Logging Workers	*	*	*	*	*	*	*	n/a	n/a
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	7
45-4023	Log Graders and Scalers	*	*	*	*	*	*	*	n/a	7

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

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

FIVCO Area

Construction & Extraction Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020 Growth				
						Sep	Total			
47-0000	Construction and Extraction Occupations	2,929	3,541	612	20.9	62	65	127	\$21.06	n/a
47-1000	Supervisors of Construction and Extraction Workers	341	394	53	15.5	5	8	13	n/a	n/a
47-1011	First-Line Supervisors of Construction Trades & Extraction Workers	341	394	53	15.5	5	8	13	\$31.38	7
47-2000	Construction Trades Workers	2,244	2,747	503	22.4	50	48	98	n/a	n/a
47-2011	Boilermakers	58	76	18	31.0	2	2	4	n/a	7
47-2021	Brickmasons and Blockmasons	*	*	*	*	*	*	*	n/a	7
47-2031	Carpenters	694	841	147	21.2	15	15	30	\$20.04	7
47-2041	Carpet Installers	*	*	*	*	*	*	*	n/a	8
47-2043	Floor Sanders and Finishers	*	*	*	*	*	*	*	n/a	7
47-2044	Tile and Marble Setters	*	*	*	*	*	*	*	n/a	8
47-2051	Cement Masons and Concrete Finishers	*	*	*	*	*	*	*	\$20.12	8
47-2061	Construction Laborers	384	463	79	20.6	8	3	11	\$16.85	8
47-2071	Paving, Surfacing, and Tamping Equipment Operators	*	*	*	*	*	*	*	\$11.06	7
47-2073	Operating Engineers and Other Construction Equipment Operators	182	203	21	11.5	2	4	6	\$18.24	7
47-2111	Electricians	425	534	109	25.6	11	12	23	\$23.89	7
47-2121	Glaziers	*	*	*	*	*	*	*	n/a	7
47-2131	Insulation Workers, Floor, Ceiling, and Wall	*	*	*	*	*	*	*	n/a	8
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	7
47-2141	Painters, Construction and Maintenance	74	88	14	18.9	1	2	3	\$13.37	8
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	7
47-2151	Pipelayers	45	54	9	20.0	1	1	2	\$17.46	7
47-2152	Plumbers, Pipefitters, and Steamfitters	111	135	24	21.6	2	3	5	\$27.50	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Construction & Extraction Occs (cont'd)

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
47-2171	Reinforcing Iron and Rebar Workers	*	*	*	*	*	*	*	n/a	7
47-2181	Roofers	30	37	7	23.3	1	1	2	\$12.33	8
47-2211	Sheet Metal Workers	*	*	*	*	*	*	*	\$26.72	7
47-2221	Structural Iron and Steel Workers	109	139	30	27.5	3	2	5	n/a	7
47-3000	Helpers, Construction Trades	94	141	47	50.0	5	2	7	n/a	n/a
47-3011	Helpers--Brick, Block, Stonemasons, & Tile & Marble Setters	*	*	*	*	*	*	*	n/a	8
47-3012	Helpers--Carpenters	*	*	*	*	*	*	*	n/a	8
47-3013	Helpers--Electricians	31	41	10	32.3	1	1	2	\$10.19	7
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	*	*	*	*	*	*	*	n/a	7
47-4000	Other Construction and Related Workers	189	197	8	4.2	1	5	6	n/a	n/a
47-4011	Construction and Building Inspectors	*	*	*	*	*	*	*	\$34.14	7
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	7
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	n/a	7
47-4051	Highway Maintenance Workers	97	103	6	6.2	1	3	4	\$12.56	7
47-4061	Rail-Track Laying and Maintenance Equipment Operators	46	43	-3	-6.5	0	1	1	n/a	7
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	8
47-4799	Construction and Related Workers, All Other	*	*	*	*	*	*	*	n/a	7
47-5000	Extraction Workers	61	62	1	1.6	0	1	1	n/a	n/a
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	*	*	*	n/a	8
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	*	*	*	n/a	8
47-5071	Roustabouts, Oil and Gas	*	*	*	*	*	*	*	n/a	8
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	\$11.01	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Installation, Maintenance & Repair Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
49-0000	Installation, Maintenance, and Repair Occupations	2,645	3,044	399	15.1	40	59	99	\$20.46	n/a
49-1000	Supervisors of Installation, Maintenance, & Repair Workers	268	295	27	10.1	3	7	10	n/a	n/a
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	268	295	27	10.1	3	7	10	\$27.02	7
49-2000	Electrical & Electronic Equip. Mechanics, Installers, & Repairer	230	265	35	15.2	4	4	8	n/a	n/a
49-2011	Computer, Automated Teller, and Office Machine Repairers	*	*	*	*	*	*	*	\$15.78	5
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	*	*	*	*	*	*	*	\$22.69	4
49-2022	Telecom. Equipment Installers & Repairers, Except Line Installers	148	180	32	21.6	3	2	5	n/a	5
49-2092	Electric Motor, Power Tool, and Related Repairers	*	*	*	*	*	*	*	n/a	5
49-2093	Electrical & Electronics Installers & Repairers, Transportation Equip.	*	*	*	*	*	*	*	n/a	5
49-2094	Electrical & Electronics Repairers, Commercial & Industrial Equip.	*	*	*	*	*	*	*	n/a	5
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation, & Relay	*	*	*	*	*	*	*	n/a	5
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	*	*	*	*	*	*	*	n/a	5
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	*	*	*	n/a	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers, & Repairers	661	764	103	15.6	10	16	26	n/a	n/a
49-3021	Automotive Body and Related Repairers	*	*	*	*	*	*	*	\$17.94	7
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	*	*	*	n/a	7
49-3023	Automotive Service Technicians and Mechanics	200	238	38	19.0	4	5	9	\$15.04	7
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	202	218	16	7.9	2	4	6	\$14.97	7
49-3041	Farm Equipment Mechanics and Service Technicians	*	*	*	*	*	*	*	\$14.31	7
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	100	118	18	18.0	2	3	5	\$22.86	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	7
49-3051	Motorboat Mechanics and Service Technicians	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Installation, Maintenance & Repair Occs (cont'd)

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	n/a	7
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	*	*	*	*	*	*	*	n/a	7
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	7
49-3093	Tire Repairers and Changers	*	*	*	*	*	*	*	n/a	7
49-9000	Other Installation, Maintenance, and Repair Occupations	1,486	1,720	234	15.7	24	31	55	n/a	n/a
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	54	51	-3	-5.6	0	1	1	n/a	7
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	174	240	66	37.9	7	3	10	\$17.22	5
49-9031	Home Appliance Repairers	37	42	5	13.5	0	1	1	n/a	7
49-9041	Industrial Machinery Mechanics	308	345	37	12.0	4	6	10	\$27.06	7
49-9043	Maintenance Workers, Machinery	*	*	*	*	*	*	*	\$18.50	7
49-9044	Millwrights	*	*	*	*	*	*	*	n/a	7
49-9045	Refractory Materials Repairers, Except Brickmasons	*	*	*	*	*	*	*	n/a	5
49-9051	Electrical Power-Line Installers and Repairers	88	93	5	5.7	0	3	3	\$24.44	7
49-9052	Telecommunications Line Installers and Repairers	34	40	6	17.6	1	1	2	\$21.43	7
49-9062	Medical Equipment Repairers	74	112	38	51.4	4	2	6	\$20.70	4
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	*	*	*	\$16.86	4
49-9071	Maintenance and Repair Workers, General	470	523	53	11.3	5	9	14	\$14.42	7
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	5
49-9095	Manufactured Building and Mobile Home Installers	45	48	3	6.7	0	0	0	n/a	7
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	n/a	5
49-9098	Helpers--Installation, Maintenance, and Repair Workers	76	98	22	28.9	2	4	6	\$9.71	7
49-9799	Installation, Maintenance, and Repair Workers, All Other	49	52	3	6.1	0	1	1	\$19.81	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Production Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual 2010-2020				
						Growth	Sep	Total		
51-0000	Production Occupations	2,659	2,753	94	3.5	19	58	77	\$18.74	n/a
51-1000	Supervisors of Production Workers	205	211	6	2.9	1	3	4	n/a	n/a
51-1011	First-Line Supervisors of Production and Operating Workers	205	211	6	2.9	1	3	4	\$28.21	5
51-2000	Assemblers and Fabricators	124	134	10	8.1	1	2	3	n/a	n/a
51-2021	Coil Winders, Tapers, and Finishers	*	*	*	*	*	*	*	n/a	7
51-2022	Electrical and Electronic Equipment Assemblers	*	*	*	*	*	*	*	n/a	7
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	7
51-2041	Structural Metal Fabricators and Fitters	*	*	*	*	*	*	*	n/a	7
51-2092	Team Assemblers	48	44	-4	-8.3	0	1	1	n/a	7
51-2099	Assemblers and Fabricators, All Other	73	87	14	19.2	1	1	2	n/a	7
51-3000	Food Processing Workers	104	118	14	13.5	1	3	4	n/a	n/a
51-3011	Bakers	38	40	2	5.3	0	1	1	\$10.55	8
51-3021	Butchers and Meat Cutters	54	62	8	14.8	1	2	3	\$12.17	8
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	*	*	*	n/a	8
51-3023	Slaughterers and Meat Packers	*	*	*	*	*	*	*	n/a	8
51-3092	Food Batchmakers	*	*	*	*	*	*	*	n/a	7
51-3093	Food Cooking Machine Operators and Tenders	*	*	*	*	*	*	*	n/a	7
51-4000	Metal Workers and Plastic Workers	608	682	74	12.2	8	13	21	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4012	Computer Numerically Controlled Machine Tool Prog., Metal & Plastic	*	*	*	*	*	*	*	n/a	7
51-4021	Extruding and Drawing Machine SOT^, Metal and Plastic	30	28	-2	-6.7	0	1	1	n/a	7
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	39	41	2	5.1	0	1	1	n/a	7
51-4031	Cutting, Punching, and Press Machine SOT^, Metal and Plastic	88	87	-1	-1.1	0	1	1	\$11.85	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

^SOT - Setters, Operators and Tenders

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

FIVCO Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
51-4032	Drilling and Boring Machine Tool SOT^, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4033	Grind., Lapping, Polishing, & Buffing Mach. Tool SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	7
51-4041	Machinists	86	93	7	8.1	1	2	3	\$21.62	7
51-4051	Metal-Refining Furnace Operators and Tenders	32	38	6	18.8	1	1	2	n/a	7
51-4052	Pourers and Casters, Metal	*	*	*	*	*	*	*	n/a	7
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4072	Molding, Coremaking, and Casting Machine SOT^, Metal and Plastic	39	51	12	30.8	1	1	2	n/a	7
51-4081	Multiple Machine Tool SOT^, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4111	Tool and Die Makers	*	*	*	*	*	*	*	n/a	7
51-4121	Welders, Cutters, Solderers, and Brazers	221	265	44	19.9	4	6	10	\$16.73	7
51-4122	Welding, Soldering, and Brazing Machine SOT^	*	*	*	*	*	*	*	n/a	7
51-4191	Heat Treating Equipment SOT^, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4193	Plating and Coating Machine SOT^, Metal and Plastic	*	*	*	*	*	*	*	n/a	7
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	*	*	*	n/a	7
51-5000	Printing Workers	*	*	*	*	*	*	*	n/a	n/a
51-5112	Printing Press Operators	*	*	*	*	*	*	*	\$8.56	7
51-5113	Print Binding and Finishing Workers	*	*	*	*	*	*	*	n/a	7
51-6000	Textile, Apparel, and Furnishings Workers	203	190	-13	-6.4	2	2	4	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	96	110	14	14.6	1	2	3	NA	8
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	*	*	*	n/a	8
51-6031	Sewing Machine Operators	90	64	-26	-28.9	0	0	0	\$10.59	8
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

^SOT - Setters, Operators and Tenders

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

FIVCO Area

Production Occupations (cont'd)

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	n/a	7
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	7
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	*	*	*	n/a	7
51-7000	Woodworkers	58	69	11	19.0	1	1	2	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	*	*	*	*	*	*	*	n/a	7
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	7
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	32	41	9	28.1	1	1	2	n/a	7
51-7042	Woodworking Machine SOT^, Except Sawing	*	*	*	*	*	*	*	n/a	7
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	n/a	7
51-8000	Plant and System Operators	556	511	-45	-8.1	1	18	19	n/a	n/a
51-8012	Power Distributors and Dispatchers	*	*	*	*	*	*	*	n/a	7
51-8021	Stationary Engineers and Boiler Operators	*	*	*	*	*	*	*	n/a	7
51-8031	Water and Wastewater Treatment Plant and System Operators	38	43	5	13.2	0	1	1	\$14.70	7
51-8091	Chemical Plant and System Operators	53	52	-1	-1.9	0	2	2	n/a	7
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	7
51-8093	Petroleum Pump System Operators, Refinery Operators, & Gaugers	365	320	-45	-12.3	0	12	12	n/a	7
51-8099	Plant and System Operators, All Other	56	57	1	1.8	0	2	2	n/a	7
51-9000	Other Production Occupations	784	825	41	5.2	5	15	20	n/a	n/a
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	*	*	*	n/a	7
51-9012	Separating, Filtering, Clarifying, Precipitating, & Still Machine SOT^	*	*	*	*	*	*	*	n/a	7
51-9021	Crushing, Grinding, and Polishing Machine SOT^	*	*	*	*	*	*	*	\$18.54	7
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	*	*	*	n/a	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

^SOT - Setters, Operators and Tenders

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

FIVCO Area

Production Occupations (cont'd)

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	\$17.99	7
51-9031	Cutters and Trimmers, Hand	*	*	*	*	*	*	*	n/a	8
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	n/a	7
51-9041	Extruding, Forming, Pressing, and Compacting Machine SOT^	*	*	*	*	*	*	*	n/a	7
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	34	34	0	0.0	0	1	1	\$21.39	7
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	96	105	9	9.4	1	2	3	\$16.71	7
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	*	*	*	n/a	7
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	n/a	7
51-9111	Packaging and Filling Machine Operators and Tenders	39	39	0	0.0	0	1	1	\$15.09	7
51-9121	Coating, Painting, and Spraying Machine SOT^	*	*	*	*	*	*	*	n/a	7
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	\$20.03	7
51-9123	Painting, Coating, and Decorating Workers	*	*	*	*	*	*	*	n/a	7
51-9151	Photographic Process Workers and Processing Machine Operators	*	*	*	*	*	*	*	n/a	7
51-9191	Adhesive Bonding Machine Operators and Tenders	*	*	*	*	*	*	*	n/a	7
51-9194	Etchers and Engravers	*	*	*	*	*	*	*	n/a	7
51-9196	Paper Goods Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	n/a	7
51-9198	Helpers--Production Workers	432	451	19	4.4	2	7	9	\$12.44	8
51-9399	Production Workers, All Other	*	*	*	*	*	*	*	n/a	7

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

^SOT - Setters, Operators and Tenders

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

FIVCO Area

Transportation & Material Moving Occs

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020 Number	2010-2020 Percent	Ave. Annual Growth	2010-2020 Sep	2010-2020 Total		
53-0000	Transportation and Material Moving Occupations	4,899	5,469	570	11.6	60	136	196	\$14.99	n/a
53-1000	Supervisors of Transportation and Material Moving Workers	199	244	45	22.6	4	4	8	n/a	n/a
53-1021	First-Line Supervisors of Helpers, Laborers, & Material Movers, Hand	74	98	24	32.4	2	2	4	\$20.23	7
53-1031	First-Line Superv. of Transp. & Material-Moving Machine & Veh. Ops.	125	146	21	16.8	2	3	5	\$24.58	7
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	5
53-3000	Motor Vehicle Operators	1,731	1,975	244	14.1	26	34	60	n/a	n/a
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	*	*	*	n/a	7
53-3022	Bus Drivers, School or Special Client	352	339	-13	-3.7	0	7	7	\$15.51	7
53-3031	Driver/Sales Workers	257	274	17	6.6	2	5	7	\$11.81	7
53-3032	Heavy and Tractor-Trailer Truck Drivers	683	805	122	17.9	12	14	26	\$17.94	7
53-3033	Light Truck or Delivery Services Drivers	311	402	91	29.3	9	6	15	\$13.64	7
53-3041	Taxi Drivers and Chauffeurs	111	138	27	24.3	3	1	4	\$13.65	8
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	n/a	7
53-4000	Rail Transportation Workers	670	675	5	0.7	2	22	24	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	7
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	7
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	*	*	*	*	*	*	*	n/a	7
53-4021	Railroad Brake, Signal, and Switch Operators	*	*	*	*	*	*	*	n/a	7
53-4031	Railroad Conductors and Yardmasters	203	210	7	3.4	1	6	7	n/a	7
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

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

FIVCO Area

Transportation & Material Moving Occs

Occupational Employment Outlook

Code	Occupational Title	Employment		Change		Job Openings			Ave. Wage 2011	~ Educ/ Training Req.
		2010 Estimated	2020 Projected	2010-2020		Ave. Annual 2010-2020				
				Number	Percent	Growth	Sep	Total		
53-5000	Water Transportation Workers	672	695	23	3.4	2	28	30	n/a	n/a
53-5011	Sailors and Marine Oilers	408	421	13	3.2	1	18	19	n/a	8
53-5021	Captains, Mates, and Pilots of Water Vessels	*	*	*	*	*	*	*	n/a	3
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	7
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	3
53-6000	Other Transportation Workers	88	100	12	13.6	1	3	4	n/a	n/a
53-6011	Bridge and Lock Tenders	*	*	*	*	*	*	*	n/a	8
53-6031	Automotive and Watercraft Service Attendants	54	65	11	20.4	1	2	3	\$9.98	8
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	8
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	6
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	7
53-7000	Material Moving Workers	1539	1780	241	15.7	25	46	71	n/a	n/a
53-7011	Conveyor Operators and Tenders	*	*	*	*	*	*	*	n/a	8
53-7021	Crane and Tower Operators	121	116	-5	-4.1	0	3	3	\$16.58	8
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	8
53-7032	Excavating and Loading Machine and Dragline Operators	110	144	34	30.9	3	3	6	n/a	8
53-7051	Industrial Truck and Tractor Operators	115	130	15	13.0	2	3	5	\$17.50	8
53-7061	Cleaners of Vehicles and Equipment	113	141	28	24.8	3	3	6	\$10.71	8
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	754	883	129	17.1	13	24	37	\$10.57	8
53-7063	Machine Feeders and Offbearers	35	32	-3	-8.6	0	1	1	n/a	8
53-7064	Packers and Packagers, Hand	73	78	5	6.8	0	2	2	\$10.48	8
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	*	*	*	n/a	8
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	n/a	8
53-7081	Refuse and Recyclable Material Collectors	120	148	28	23.3	3	4	7	\$11.90	8
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	*	*	*	n/a	8
53-7199	Material Moving Workers, All Other	44	46	2	4.5	0	0	0	\$21.92	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 49

Source: Kentucky Education & Workforce Development Cabinet, Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence 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.