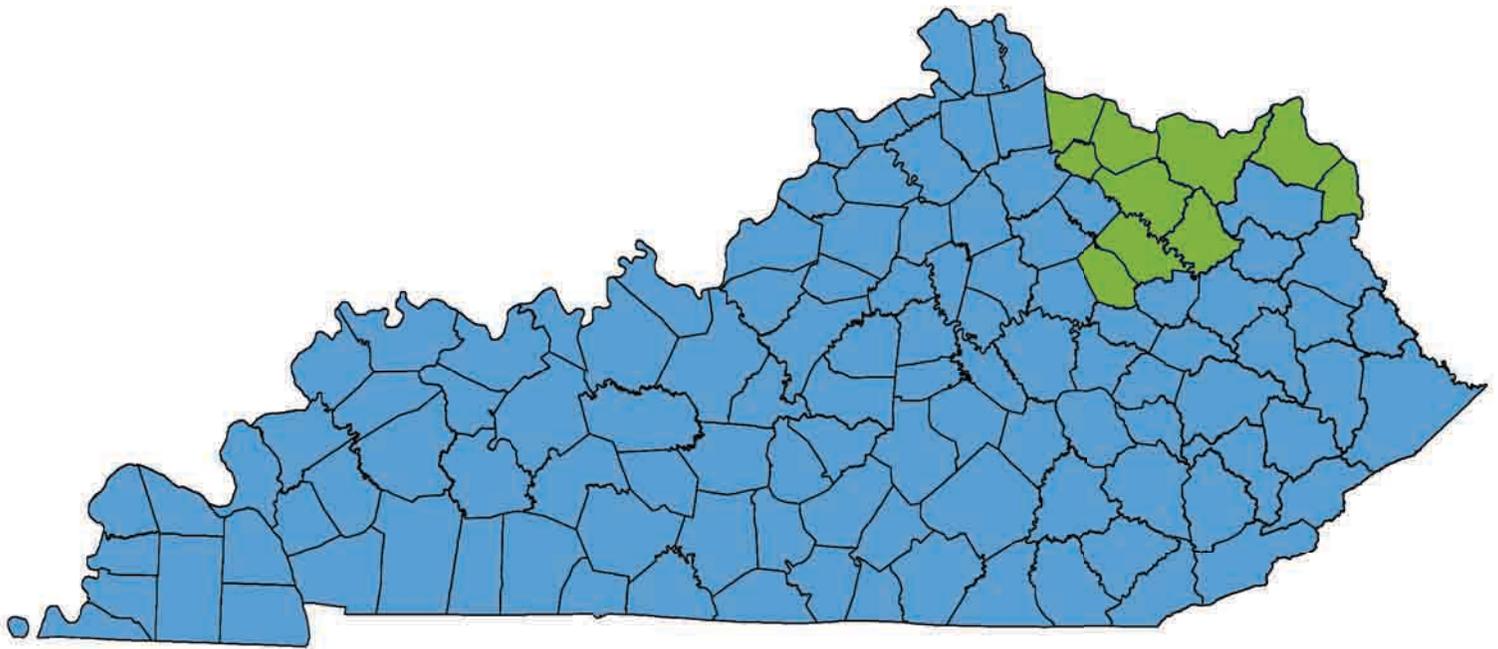


TENCO LWDA Occupational Outlook to 2022



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



**TENCO Area
Occupational Outlook to 2022**

**STEVEN L. BESHEAR
Governor**

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

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

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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 2022. Staff utilized data from all programs to create the 2022 occupational outlook publications for each of the Local Workforce Development Areas (LWDAs) below:

LWDA 1-West Kentucky Area
LWDA 2- Lincoln Trail Area
LWDA 4- Kentuckiana Works Area
LWDA 5- Northern Kentucky Area
LWDA 6- TENCO Area

LWDA 7- EKCEP Area
LWDA 8- Cumberlands Area
LWDA 9- Bluegrass Area
LWDA 10- Green River Area
LWDA 11- South Central

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

TENCO 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 *TENCO Area Occupational Outlook to 2022* 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 2012 to 2022.

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 2012 through 2022. 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 2012-2022 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 2012-2022 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>.

**TENCO
HIGHLIGHTS
2012-2022**

- ✓ Employment is projected to grow from 67,124 to 69,359, a gain of 3.33 percent.
- ✓ Total annual job openings are expected to be about 2,204
- ✓ Growth in employment will create about 601 job openings annually.
- ✓ Approximately 1,603 annual job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Twenty-seven percent of job openings will result from growth; the remaining 73 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be Food Preparation and Serving Occupations (347) followed by Healthcare Practitioners and Technical Occupations (301) and Office and Administrative Support Occupations (272).
- ✓ The two occupations with the largest projected number of annual job openings are Combined Food Preparation and Serving Workers, Including Fast Food (158) and Registered Nurses (137).
- ✓ The highest growth rates among occupational groups are likely to be in Healthcare Practitioners and Technical Occupations (46.18%), followed by Healthcare Support Occupations (27.42%) and Food Preparation and Serving Related Occupations (17.27%).

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 Fastest
Growing TENCO Area Occupations**

Rank	Area	SOC	Title	Employment		Change		Annual
				2012	2022	Number	Percent	Openings
1	TENCO	43-6013	Medical Secretaries	253	451	198	78.3	23
2	TENCO	29-1126	Respiratory Therapists	105	181	76	72.4	10
3	TENCO	29-1123	Physical Therapists	53	89	36	67.9	5
4	TENCO	29-1141	Registered Nurses	1,601	2,657	1056	66.0	137
5	TENCO	29-2034	Radiologic Technologists	198	320	122	61.6	15
6	TENCO	29-2099	Health Technologists and Technicians, All Other	72	116	44	61.1	5
7	TENCO	49-9062	Medical Equipment Repairers	58	93	35	60.3	6
8	TENCO	11-9111	Medical and Health Services Managers	157	236	79	50.3	12
9	TENCO	31-2021	Physical Therapist Assistants	52	78	26	50.0	4
10	TENCO	43-4111	Interviewers, Except Eligibility and Loan	146	219	73	50.0	10
11	TENCO	31-1011	Home Health Aides	119	177	58	48.7	8
12	TENCO	29-1071	Physician Assistants	101	147	46	45.5	7
13	TENCO	29-2071	Medical Records and Health Information Technicians	106	154	48	45.3	8
14	TENCO	29-1171	Nurse Practitioners	76	109	33	43.4	5
15	TENCO	29-1069	Physicians and Surgeons, All Other	114	159	45	39.5	7
16	TENCO	25-1072	Nursing Instructors and Teachers, Postsecondary	121	159	38	31.4	6
17	TENCO	29-2041	Emergency Medical Technicians and Paramedics	149	195	46	30.9	9
18	TENCO	21-1014	Mental Health Counselors	157	205	48	30.6	8
19	TENCO	53-3011	Ambulance Drivers & Attendants, Except Emergency Medical Tech.	56	73	17	30.4	3
20	TENCO	29-2021	Dental Hygienists	55	70	15	27.3	3
21	TENCO	31-9092	Medical Assistants	353	448	95	26.9	17
22	TENCO	29-1067	Surgeons	94	118	24	25.5	4
23	TENCO	39-9021	Personal Care Aides	137	171	34	24.8	4
24	TENCO	29-2061	Licensed Practical and Licensed Vocational Nurses	432	539	107	24.8	21

Top 50 Fastest (cont'd)
Growing TENCO Area Occupations

Rank	Area	SOC	Title	Employment		Change		Annual
				2012	2022	Number	Percent	Openings
25	TENCO	43-3021	Billing and Posting Clerks	445	554	109	24.5	19
26	TENCO	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,532	3,142	610	24.1	158
27	TENCO	31-1014	Nursing Assistants	1,284	1,577	293	22.8	53
28	TENCO	35-2014	Cooks, Restaurant	519	637	118	22.7	22
29	TENCO	53-3031	Driver/Sales Workers	278	341	63	22.7	10
30	TENCO	11-2021	Marketing Managers	54	66	12	22.2	2
31	TENCO	37-2012	Maids and Housekeeping Cleaners	796	971	175	22.0	34
32	TENCO	31-9094	Medical Transcriptionists	74	90	16	21.6	3
33	TENCO	29-1051	Pharmacists	149	181	32	21.5	7
34	TENCO	13-1051	Cost Estimators	66	80	14	21.2	3
35	TENCO	43-4171	Receptionists and Information Clerks	838	1,009	171	20.4	40
36	TENCO	31-9091	Dental Assistants	53	63	10	18.9	2
37	TENCO	35-3011	Bartenders	155	183	28	18.1	9
38	TENCO	43-3051	Payroll and Timekeeping Clerks	88	103	15	17.1	4
39	TENCO	29-2052	Pharmacy Technicians	257	300	43	16.7	6
40	TENCO	35-3041	Food Servers, Nonrestaurant	61	71	10	16.4	3
41	TENCO	29-1062	Family and General Practitioners	68	79	11	16.2	3
42	TENCO	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	208	240	32	15.4	19
43	TENCO	43-3011	Bill and Account Collectors	98	113	15	15.3	5
44	TENCO	11-2022	Sales Managers	82	94	12	14.6	3
45	TENCO	27-3031	Public Relations Specialists	62	71	9	14.5	2
46	TENCO	29-1063	Internists, General	101	115	14	13.9	3
47	TENCO	11-3021	Computer and Information Systems Managers	87	98	11	12.6	2
48	TENCO	15-1151	Computer User Support Specialists	87	98	11	12.6	2
49	TENCO	13-1161	Market Research Analysts and Marketing Specialists	56	63	7	12.5	2
50	TENCO	25-1121	Art, Drama, and Music Teachers, Postsecondary	72	81	9	12.5	2

**Top 50 Fastest
TENCO Area Occupations with Most Annual Openings**

Rank	Area	SOC	Title	Employment		Change		Annual Openings
				2012	2022	Number	Percent	
1	TENCO	35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2,532	3,142	610	24.1	158
2	TENCO	29-1141	Registered Nurses	1,601	2,657	1,056	66.0	137
3	TENCO	41-2031	Retail Salespersons	2,665	2,363	-302	-11.3	91
4	TENCO	35-3031	Waiters and Waitresses	1,021	1,126	105	10.3	59
5	TENCO	41-2011	Cashiers	1,247	1,085	-162	-13.0	54
6	TENCO	31-1014	Nursing Assistants	1,284	1,577	293	22.8	53
7	TENCO	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,661	1,620	-41	-2.5	52
8	TENCO	43-4171	Receptionists and Information Clerks	838	1,009	171	20.4	40
9	TENCO	37-2012	Maids and Housekeeping Cleaners	796	971	175	22.0	34
10	TENCO	25-2021	Elementary School Teachers, Except Special Education	973	1,062	89	9.2	30
11	TENCO	37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1,168	1,222	54	4.6	27
12	TENCO	25-9041	Teacher Assistants	951	978	27	2.8	25
13	TENCO	43-5081	Stock Clerks and Order Fillers	835	700	-135	-16.2	25
14	TENCO	43-6013	Medical Secretaries	253	451	198	78.3	23
15	TENCO	35-2014	Cooks, Restaurant	519	637	118	22.7	22
16	TENCO	29-2061	Licensed Practical and Licensed Vocational Nurses	432	539	107	24.8	21
17	TENCO	39-9011	Childcare Workers	659	670	11	1.7	20
18	TENCO	41-1011	First-Line Supervisors of Retail Sales Workers	905	764	-141	-15.6	20
19	TENCO	43-3071	Tellers	421	334	-87	-20.7	20
20	TENCO	43-6014	Secretaries & Admin. Assistants, Except Legal, Medical, & Executive	1,089	1,160	71	6.5	20
21	TENCO	49-9041	Industrial Machinery Mechanics	667	675	8	1.2	20
22	TENCO	25-2031	Secondary School Teachers, Except Special and Career/Tech. Edu.	626	641	15	2.4	19
23	TENCO	35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	208	240	32	15.4	19
24	TENCO	43-3021	Billing and Posting Clerks	445	554	109	24.5	19

Top 50 Fastest (cont'd)
TENCO Area Occupations with Most Annual Openings

Rank	Area	SOC	Title	Employment		Change		Annual
				2012	2022	Number	Percent	Openings
25	TENCO	43-4051	Customer Service Representatives	674	682	8	1.2	19
26	TENCO	31-9092	Medical Assistants	353	448	95	26.9	17
27	TENCO	43-9061	Office Clerks, General	819	765	-54	-6.6	17
28	TENCO	53-3032	Heavy and Tractor-Trailer Truck Drivers	999	1,009	10	1.0	17
29	TENCO	43-1011	First-Line Supervisors of Office and Administrative Support Workers	672	665	-7	-1.0	16
30	TENCO	11-1021	General and Operations Managers	810	792	-18	-2.2	15
31	TENCO	21-1021	Child, Family, and School Social Workers	726	497	-229	-31.5	15
32	TENCO	29-2034	Radiologic Technologists	198	320	122	61.6	15
33	TENCO	35-2021	Food Preparation Workers	395	432	37	9.4	15
34	TENCO	47-2061	Construction Laborers	604	621	17	2.8	15
35	TENCO	35-2012	Cooks, Institution and Cafeteria	541	572	31	5.73	14
36	TENCO	25-2022	Middle School Teachers, Except Special and Career/Tech. Edu.	401	438	37	9.2	13
37	TENCO	51-9111	Packaging and Filling Machine Operators and Tenders	561	558	-3	-0.5	13
38	TENCO	11-9111	Medical and Health Services Managers	157	236	79	50.3	12
39	TENCO	39-9041	Residential Advisors	225	241	16	7.1	12
40	TENCO	49-9071	Maintenance and Repair Workers, General	590	602	12	2.0	12
41	TENCO	49-3023	Automotive Service Technicians and Mechanics	429	361	-68	-15.9	11
42	TENCO	29-1126	Respiratory Therapists	105	181	76	72.4	10
43	TENCO	43-4111	Interviewers, Except Eligibility and Loan	146	219	73	50.0	10
44	TENCO	53-3022	Bus Drivers, School or Special Client	569	547	-22	-3.9	10
45	TENCO	53-3031	Driver/Sales Workers	278	341	63	22.7	10
46	TENCO	53-5011	Sailors and Marine Oilers	220	187	-33	-15	10
47	TENCO	53-7061	Cleaners of Vehicles and Equipment	315	322	7	2.2	10
48	TENCO	21-1093	Social and Human Service Assistants	261	276	15	5.8	9
49	TENCO	29-2041	Emergency Medical Technicians and Paramedics	149	195	46	30.9	9
50	TENCO	35-3011	Bartenders	155	183	28	18.1	9

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment		Job Growth		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	2012	2022	2012	2022	Growth	Separations	Total	2014	
		Estimated	Projected	Number	Percent					
<p>Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure.</p>		<p>Estimated 2012 employment is based on the Occupational Employment Statistics (OES) Survey of employers.</p> <p>Projected 2022 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2012 and 2022.</p> <p>NOTE: The occupational employment estimates for 2012 to 2022 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 2012 to 2022 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 11.6 percent between 2012-2022.</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 Provides estimates of the average number of job openings expected to occur due to employment growth each year between 2012 and 2022.</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 2014 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>

TENCO LWDA

Management Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual 2012-2022				
						Growth	Septs	Total		
00-0000	Total, All Occupations	67124	69359	2235	3.33	601	1603	2204	\$17.44	N/A
11-0000	Management Occupations	3025	3107	82	2.71	17	62	79	\$38.65	N/A
11-1000	Top Executives	946	923	-23	-2.43	0	181	18	N/A	N/A
11-1011	Chief Executives	*	*	*	*	*	*	*	\$64.05	3
11-1021	General and Operations Managers	810	792	-18	-2.22	0	152	15	\$37.50	3
11-2000	Advertising, Marketing, Promotions, PR. and Sales Managers	170	200	30	17.65	3	38	7	N/A	N/A
11-2011	Advertising and Promotions Managers	*	*	*	*	*	*	*	\$21.36	3
11-2021	Marketing Managers	54	66	12	22.22	1	12	2	\$70.42	3
11-2022	Sales Managers	82	94	12	14.63	1	18	3	\$40.60	3
11-2031	Public Relations and Fundraising Managers	*	*	*	*	*	*	*	\$34.12	3
11-3000	Operations Specialties Managers	638	622	-16	-2.51	2	122	14	N/A	N/A
11-3011	Administrative Services Managers	66	70	4	6.06	0	11	1	\$31.01	3
11-3021	Computer and Information Systems Managers	87	98	11	12.64	1	12	2	\$34.49	3
11-3031	Financial Managers	216	210	-6	-2.78	0	40	4	\$36.81	3
11-3051	Industrial Production Managers	126	105	-21	-16.67	0	23	2	\$35.93	3
11-3061	Purchasing Managers	*	*	*	*	*	*	*	\$41.08	3
11-3071	Transportation, Storage, and Distribution Managers	*	*	*	*	*	*	*	\$38.19	7
11-3111	Compensation and Benefits Managers	*	*	*	*	*	*	*	N/A	3
11-3121	Human Resources Managers	78	71	-7	-8.97	0	21	2	\$38.34	3
11-3131	Training and Development Managers	*	*	*	*	*	*	*	N/A	3
11-9000	Other Management Occupations	1271	1362	91	7.16	12	278	40	N/A	N/A
11-9013	Farmers, Ranchers, and Other Agricultural Managers	*	*	*	*	*	*	*	N/A	7
11-9021	Construction Managers	185	175	-10	-5.41	0	29	3	\$38.43	3
11-9031	Education Administrators, Preschool and Childcare Center/Program	*	*	*	*	*	*	*	\$14.74	3
11-9032	Education Administrators, Elementary and Secondary School	181	186	5	2.76	0	48	5	N/A	2
11-9033	Education Administrators, Postsecondary	73	82	9	12.33	1	19	3	N/A	2
11-9039	Education Administrators, All Other	*	*	*	*	*	*	*	N/A	3
11-9041	Architectural and Engineering Managers	63	56	-7	-11.11	0	15	2	\$46.67	3
11-9051	Food Service Managers	115	115	0	0	0	21	2	\$25.53	7

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Management Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
11-9061	Funeral Service Managers	*	*	*	*	*	*	*	N/A	4
11-9081	Lodging Managers	*	*	*	*	*	*	*	\$21.11	7
11-9111	Medical and Health Services Managers	157	236	79	50.32	8	4	12	\$47.54	3
11-9121	Natural Sciences Managers	*	*	*	*	*	*	*	\$66.63	3
11-9141	Property, Real Estate, and Community Association Managers	106	111	5	4.72	0	2	2	\$24.90	7
11-9151	Social and Community Service Managers	95	98	3	3.16	0	2	2	\$25.24	3
11-9161	Emergency Management Directors	*	*	*	*	*	*	*	N/A	3
11-9199	Managers, All Other	197	205	8	4.06	1	4	5	\$34.42	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Business & Financial Operations Occs.

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
13-0000	Business and Financial Operations Occupations	1513	1455	-58	-3.83	4	31	35	\$22.79	N/A
13-1000	Business Operations Specialists	808	807	-1	-0.12	4	15	19	N/A	N/A
13-1021	Buyers and Purchasing Agents, Farm Products	*	*	*	*	*	*	*	N/A	7
13-1022	Wholesale and Retail Buyers, Except Farm Products	*	*	*	*	*	*	*	\$18.57	7
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	116	105	-11	-9.48	0	2	2	\$24.68	7
13-1031	Claims Adjusters, Examiners, and Investigators	*	*	*	*	*	*	*	\$32.26	7
13-1041	Compliance Officers	86	65	-21	-24.42	0	2	2	\$18.34	3
13-1051	Cost Estimators	66	80	14	21.21	1	2	3	\$27.50	3
13-1071	Human Resources Specialists	116	112	-4	-3.45	0	2	2	\$21.54	3
13-1074	Farm Labor Contractors	*	*	*	*	*	*	*	N/A	8
13-1075	Labor Relations Specialists	*	*	*	*	*	*	*	\$14.66	3
13-1081	Logisticians	*	*	*	*	*	*	*	\$34.44	3
13-1111	Management Analysts	*	*	*	*	*	*	*	\$34.66	3
13-1121	Meeting, Convention, and Event Planners	*	*	*	*	*	*	*	\$17.75	3
13-1131	Fundraisers	*	*	*	*	*	*	*	N/A	3
13-1141	Compensation, Benefits, and Job Analysis Specialists	*	*	*	*	*	*	*	\$23.58	3
13-1151	Training and Development Specialists	74	80	6	8.11	1	1	2	\$18.52	3
13-1161	Market Research Analysts and Marketing Specialists	56	63	7	12.5	1	1	2	\$18.82	3
13-1199	Business Operations Specialists, All Other	106	110	4	3.77	0	2	2	\$25.79	7
13-2000	Financial Specialists	705	648	-57	-8.09	0	16	16	N/A	N/A
13-2011	Accountants and Auditors	250	247	-3	-1.2	0	7	7	\$27.31	3
13-2021	Appraisers and Assessors of Real Estate	*	*	*	*	*	*	*	\$21.41	3
13-2031	Budget Analysts	*	*	*	*	*	*	*	N/A	3
13-2041	Credit Analysts	*	*	*	*	*	*	*	\$15.05	3
13-2051	Financial Analysts	*	*	*	*	*	*	*	\$23.17	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

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Business & Financial Operations Occs.

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
13-2072	Loan Officers	227	192	-35	-15.42	0	4	4	\$21.56	3
13-2081	Tax Examiners and Collectors, and Revenue Agents	*	*	*	*	*	*	*	\$17.43	3
13-2082	Tax Preparers	*	*	*	*	*	*	*	\$13.00	7
13-2099	Financial Specialists, All Other	*	*	*	*	*	*	*	\$20.97	3

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Computer & Mathematical Occupations

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual Growth	2012-2022 Septs	2012-2022 Total		
15-0000	Computer and Mathematical Occupations	469	520	51	10.87	6	8	14	\$25.03	N/A
15-1100	Computer Occupations	455	502	47	10.33	5	8	13	N/A	N/A
15-1121	Computer Systems Analysts	*	*	*	*	*	*	*	\$27.35	3
15-1122	Information Security Analysts	*	*	*	*	*	*	*	N/A	3
15-1131	Computer Programmers	*	*	*	*	*	*	*	N/A	3
15-1132	Software Developers, Applications	*	*	*	*	*	*	*	\$33.90	3
15-1133	Software Developers, Systems Software	*	*	*	*	*	*	*	N/A	3
15-1134	Web Developers	*	*	*	*	*	*	*	\$20.05	4
15-1141	Database Administrators	*	*	*	*	*	*	*	\$22.12	3
15-1142	Network and Computer Systems Administrators	81	86	5	6.17	0	1	1	\$21.11	3
15-1143	Computer Network Architects	*	*	*	*	*	*	*	\$38.09	3
15-1151	Computer User Support Specialists	87	98	11	12.64	1	1	2	\$15.55	5
15-1152	Computer Network Support Specialists	57	57	0	0	0	1	1	\$21.93	4
15-1199	Computer Occupations, All Other	*	*	*	*	*	*	*	\$25.05	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 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Occupational Employment Outlook

Occupational Code	Occupational Title	Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual Growth	2012-2022 Septs	2012-2022 Total		
17-0000	Architecture and Engineering Occupations	929	790	-139	-14.96	1	21	22	\$30.85	N/A
17-1000	Architects, Surveyors, and Cartographers	*	*	*	*	*	*	*	N/A	N/A
17-1011	Architects, Except Landscape and Naval	*	*	*	*	*	*	*	\$36.30	3
17-1022	Surveyors	*	*	*	*	*	*	*	\$17.56	3
17-2000	Engineers	453	396	-57	-12.58	0	12	12	N/A	N/A
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	N/A	3
17-2041	Chemical Engineers	*	*	*	*	*	*	*	\$35.04	3
17-2051	Civil Engineers	63	55	-8	-12.7	0	2	2	N/A	3
17-2071	Electrical Engineers	*	*	*	*	*	*	*	\$38.66	3
17-2072	Electronics Engineers, Except Computer	*	*	*	*	*	*	*	N/A	3
17-2081	Environmental Engineers	*	*	*	*	*	*	*	\$31.51	3
17-2111	Health & Safety Engineers, Except Mining Safety Eng. & Inspectors	*	*	*	*	*	*	*	N/A	3
17-2112	Industrial Engineers	152	131	-21	-13.82	0	4	4	\$36.54	3
17-2131	Materials Engineers	*	*	*	*	*	*	*	N/A	3
17-2141	Mechanical Engineers	78	69	-9	-11.54	0	3	3	\$33.69	3
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	*	*	*	*	*	*	*	N/A	3
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	N/A	3
17-2199	Engineers, All Other	*	*	*	*	*	*	*	\$38.19	3
17-3000	Drafters, Engineering Technicians, and Mapping Technicians	446	364	-82	-18.39	0	8	8	N/A	N/A
17-3011	Architectural and Civil Drafters	71	62	-9	-12.68	0	1	1	\$23.10	4
17-3012	Electrical and Electronics Drafters	*	*	*	*	*	*	*	\$25.91	4
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	\$19.69	4
17-3019	Drafters, All Other	*	*	*	*	*	*	*	N/A	4
17-3022	Civil Engineering Technicians	*	*	*	*	*	*	*	N/A	4
17-3023	Electrical and Electronics Engineering Technicians	*	*	*	*	*	*	*	\$21.25	4
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	N/A	4
17-3026	Industrial Engineering Technicians	75	57	-18	-24	0	2	2	N/A	4
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	N/A	4
17-3029	Engineering Technicians, Except Drafters, All Other	*	*	*	*	*	*	*	\$22.52	4

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Architecture & Engineering Occs.

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Reqd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Septs	Total		
17-3031	Surveying and Mapping Technicians	*	*	*	*	*	*	*	\$12.82	7

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Occupational Employment Outlook

Life, Physical & Social Science Occs.

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
19-0000	Life, Physical, and Social Science Occupations	393	358	-35	-8.91	2	11	13	\$24.09	N/A
19-1000	Life Scientists	74	58	-16	-21.62	0	2	2	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
19-1022	Microbiologists	*	*	*	*	*	*	*	N/A	3
19-1023	Zoologists and Wildlife Biologists	*	*	*	*	*	*	*	N/A	3
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	N/A	3
19-1032	Foresters	*	*	*	*	*	*	*	N/A	3
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	*	*	*	N/A	1
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	N/A	3
19-2000	Physical Scientists	*	*	*	*	*	*	*	N/A	N/A
19-2031	Chemists	*	*	*	*	*	*	*	\$29.99	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
19-3000	Social Scientists and Related Workers	133	147	14	10.53	2	4	6	N/A	N/A
19-3011	Economists	*	*	*	*	*	*	*	\$21.89	2
19-3031	Clinical, Counseling, and School Psychologists	129	144	15	11.63	2	4	6	N/A	1
19-3041	Sociologists	*	*	*	*	*	*	*	N/A	2
19-3099	Social Scientists and Related Workers, All Other	*	*	*	*	*	*	*	N/A	3
19-4000	Life, Physical, and Social Science Technicians	127	109	-18	-14.17	0	4	4	N/A	N/A
19-4011	Agricultural and Food Science Technicians	*	*	*	*	*	*	*	N/A	4
19-4021	Biological Technicians	*	*	*	*	*	*	*	N/A	3
19-4031	Chemical Technicians	*	*	*	*	*	*	*	N/A	4
19-4041	Geological and Petroleum Technicians	*	*	*	*	*	*	*	N/A	4
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	N/A	4
19-4091	Environmental Science and Protection Technicians, Including Health	*	*	*	*	*	*	*	\$19.77	4
19-4093	Forest and Conservation Technicians	*	*	*	*	*	*	*	\$19.25	4
19-4099	Life, Physical, and Social Science Technicians, All Other	*	*	*	*	*	*	*	N/A	4

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Community & Social Service Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Septs	Total		
21-0000	Community and Social Service Occupations	1721	1589	-132	-7.67	13	38	51	\$18.23	N/A
21-1000	Coun., Social Workers, & Other Comm. & Soc. Service Spec.	1715	1582	-133	-7.76	13	38	51	N/A	N/A
21-1011	Substance Abuse and Behavioral Disorder Counselors	*	*	*	*	*	*	*	\$17.09	7
21-1012	Educational, Guidance, School, and Vocational Counselors	169	183	14	8.28	1	4	5	\$27.84	2
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	*	N/A	2
21-1014	Mental Health Counselors	157	205	48	30.57	5	3	8	\$16.04	2
21-1015	Rehabilitation Counselors	59	52	-7	-11.86	0	1	1	N/A	2
21-1019	Counselors, All Other	*	*	*	*	*	*	*	N/A	2
21-1021	Child, Family, and School Social Workers	726	497	-229	-31.54	0	15	15	\$16.67	3
21-1022	Healthcare Social Workers	*	*	*	*	*	*	*	\$23.98	2
21-1023	Mental Health and Substance Abuse Social Workers	119	125	6	5.04	1	2	3	\$15.67	3
21-1029	Social Workers, All Other	*	*	*	*	*	*	*	\$24.43	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	261	276	15	5.75	2	7	9	\$11.35	7
21-1094	Community Health Workers	*	*	*	*	*	*	*	N/A	7
21-1099	Community and Social Service Specialists, All Other	*	*	*	*	*	*	*	\$16.55	2
21-2000	Religious Workers	*	*	*	*	*	*	*	N/A	N/A
21-2011	Clergy	*	*	*	*	*	*	*	\$26.31	3

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Occupational Employment Outlook

Legal Occupations

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
23-0000	Legal Occupations	363	278	-85	-23.42	0	6	6	\$29.58	N/A
23-1000	Lawyers, Judges, and Related Workers	240	180	-60	-25	0	4	4	N/A	N/A
23-1011	Lawyers	201	155	-46	-22.89	0	3	3	\$35.55	1
23-1012	Judicial Law Clerks	*	*	*	*	*	*	*	N/A	1
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	*	*	*	*	*	*	*	N/A	1
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	*	*	*	N/A	1
23-2000	Legal Support Workers	123	98	-25	-20.33	0	2	2	N/A	N/A
23-2011	Paralegals and Legal Assistants	113	88	-25	-22.12	0	2	2	\$18.08	4
23-2093	Title Examiners, Abstractors, and Searchers	*	*	*	*	*	*	*	N/A	7
23-2099	Legal Support Workers, All Other	*	*	*	*	*	*	*	N/A	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA Occupational Employment Outlook

Education, Training & Library Occupations

Occupational		Employment		Change		Job Openings			Avg Wage	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	2014	
25-0000	Education, Training, and Library Occupations	5363	5695	332	6.19	35	109	144	\$22.14	N/A
25-1000	Postsecondary Teachers	1223	1344	121	9.89	13	19	32	N/A	N/A
25-1011	Business Teachers, Postsecondary	57	64	7	12.28	1	1	2	N/A	1
25-1021	Computer Science Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1022	Mathematical Science Teachers, Postsecondary	63	68	5	7.94	0	1	1	N/A	1
25-1032	Engineering Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1041	Agricultural Sciences Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1042	Biological Science Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Post.	*	*	*	*	*	*	*	N/A	1
25-1052	Chemistry Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1054	Physics Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1061	Anthropology and Archeology Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1062	Area, Ethnic, and Cultural Studies 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	121	159	38	31.4	4	2	6	N/A	2
25-1081	Education Teachers, Postsecondary	64	71	7	10.94	1	1	2	N/A	1
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1112	Law Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1113	Social Work Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1121	Art, Drama, and Music Teachers, Postsecondary	72	81	9	12.5	1	1	2	N/A	2
25-1122	Communications Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1123	English Language and Literature Teachers, Postsecondary	87	95	8	9.2	1	1	2	N/A	1
25-1124	Foreign Language and Literature Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1125	History Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1126	Philosophy and Religion Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA Occupational Employment Outlook

Education, Training & Library Occupations

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
25-1191	Graduate Teaching Assistants	51	55	4	7.84	0	1	1	N/A	3
25-1192	Home Economics Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	2
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	*	*	*	*	*	*	*	N/A	1
25-1194	Vocational Education Teachers, Postsecondary	271	262	-9	-3.32	0	4	4	\$22.54	3
25-1199	Postsecondary Teachers, All Other	55	60	5	9.09	0	1	1	N/A	1
25-2000	Preschool, Primary, Sec., & Special Edu. School Teachers	2494	2646	152	6.09	15	58	73	N/A	N/A
25-2011	Preschool Teachers, Except Special Education	139	141	2	1.44	0	4	4	\$16.12	4
25-2012	Kindergarten Teachers, Except Special Education	*	*	*	*	*	*	*	N/A	3
25-2021	Elementary School Teachers, Except Special Education	973	1062	89	9.15	9	21	30	N/A	3
25-2022	Middle School Teachers, Except Special and Career/Tech. Edu.	401	438	37	9.23	4	9	13	N/A	3
25-2031	Secondary School Teachers, Except Special and Career/Tech. Edu.	626	641	15	2.4	2	17	19	N/A	3
25-2032	Career/Technical Education Teachers, Secondary School	*	*	*	*	*	*	*	N/A	3
25-2051	Special Education Teachers, Preschool	*	*	*	*	*	*	*	N/A	3
25-2052	Special Education Teachers, Kindergarten and Elementary School	123	125	2	1.63	0	2	2	N/A	3
25-2053	Special Education Teachers, Middle School	62	63	1	1.61	0	1	1	N/A	3
25-2054	Special Education Teachers, Secondary School	100	101	1	1	0	2	2	N/A	3
25-2059	Special Education Teachers, All Other	*	*	*	*	*	*	*	N/A	3
25-3000	Other Teachers and Instructors	257	258	1	0.39	1	4	5	N/A	N/A
25-3011	Adult Basic & Sec. Education & Literacy Teachers & Instructors	96	101	5	5.21	0	2	2	\$20.12	3
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	\$18.29	7
25-3099	Teachers and Instructors, All Other	108	111	3	2.78	0	2	2	N/A	3
25-4000	Librarians, Curators, and Archivists	106	113	7	6.6	1	3	4	N/A	N/A
25-4011	Archivists	*	*	*	*	*	*	*	N/A	2
25-4012	Curators	*	*	*	*	*	*	*	N/A	2
25-4013	Museum Technicians and Conservators	*	*	*	*	*	*	*	N/A	3
25-4021	Librarians	78	83	5	6.41	0	2	2	\$25.82	2
25-4031	Library Technicians	*	*	*	*	*	*	*	\$14.40	5
25-9000	Other Education, Training, and Library Occupations	1283	1334	51	3.98	5	24	29	N/A	N/A
25-9021	Farm and Home Management Advisors	*	*	*	*	*	*	*	N/A	2
25-9031	Instructional Coordinators	113	125	12	10.62	1	1	2	\$32.10	2
25-9041	Teacher Assistants	951	978	27	2.84	3	22	25	N/A	6

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Education, Training & Library Occupations

Occupational Employment Outlook

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
25-9099	Education, Training, and Library Workers, All Other	218	230	12	5.5	1	2	3	\$20.72	

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Occupational Employment Outlook

Arts, Design, Entertainment, Sports & Media

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	565	542	-23	-4.07	2	12	14	\$14.59	N/A
27-1000	Art and Design Workers	156	148	-8	-5.13	0	4	4	N/A	N/A
27-1011	Art Directors	*	*	*	*	*	*	*	N/A	3
27-1014	Multimedia Artists and Animators	*	*	*	*	*	*	*	N/A	3
27-1021	Commercial and Industrial Designers	*	*	*	*	*	*	*	N/A	3
27-1022	Fashion Designers	*	*	*	*	*	*	*	N/A	3
27-1023	Floral Designers	*	*	*	*	*	*	*	\$9.98	7
27-1024	Graphic Designers	79	79	0	0	0	2	2	\$14.91	3
27-1025	Interior Designers	*	*	*	*	*	*	*	N/A	3
27-1026	Merchandise Displayers and Window Trimmers	*	*	*	*	*	*	*	N/A	7
27-2000	Entertainers and Performers, Sports and Related Workers	120	111	-9	-7.5	0	3	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	54	52	-2	-3.7	0	2	2	N/A	3
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	*	*	*	N/A	7
27-2041	Music Directors and Composers	*	*	*	*	*	*	*	N/A	3
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	*	*	*	*	*	*	*	N/A	7
27-3000	Media and Communication Workers	198	202	4	2.02	1	4	5	N/A	N/A
27-3011	Radio and Television Announcers	*	*	*	*	*	*	*	\$9.52	3
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	N/A	3
27-3022	Reporters and Correspondents	*	*	*	*	*	*	*	N/A	3
27-3031	Public Relations Specialists	62	71	9	14.52	1	1	2	\$18.97	3
27-3041	Editors	*	*	*	*	*	*	*	\$13.33	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	91	81	-10	-10.99	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	69	62	-7	-10.14	0	1	1	\$11.30	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Arts, Design, Entertainment, Sports & Media

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
27-4032	Film and Video Editors	*	*	*	*	*	*	*	N/A	3
27-4099	Media and Communication Equipment Workers, All Other	*	*	*	*	*	*	*	N/A	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA Occupational Employment Outlook

Healthcare Practitioners & Technical Occs.

Occupational		Employment		Change		Job Openings			Avg Wage	Education
Code	Title	2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022			2014	Training Req'd
				Number	Percent	Growth	Seps	Total		
29-0000	Healthcare Practitioners and Technical Occupations	4534	6628	2094	46.18	211	90	301	\$29.84	N/A
29-1000	Health Diagnosing and Treating Practitioners	2860	4306	1446	50.56	145	58	203	N/A	N/A
29-1011	Chiropractors	68	75	7	10.29	1	1	2	N/A	1
29-1021	Dentists, General	*	*	*	*	*	*	*	\$85.22	1
29-1031	Dietitians and Nutritionists	*	*	*	*	*	*	*	\$25.65	3
29-1041	Optometrists	*	*	*	*	*	*	*	\$49.92	1
29-1051	Pharmacists	149	181	32	21.48	3	4	7	\$71.00	1
29-1061	Anesthesiologists	*	*	*	*	*	*	*	N/A	1
29-1062	Family and General Practitioners	68	79	11	16.18	1	2	3	\$92.06	1
29-1063	Internists, General	101	115	14	13.86	1	2	3	\$78.60	1
29-1064	Obstetricians and Gynecologists	*	*	*	*	*	*	*	N/A	1
29-1065	Pediatricians, General	*	*	*	*	*	*	*	\$75.81	1
29-1066	Psychiatrists	*	*	*	*	*	*	*	\$97.58	1
29-1067	Surgeons	94	118	24	25.53	2	2	4	\$118.06	1
29-1069	Physicians and Surgeons, All Other	114	159	45	39.47	4	3	7	\$108.70	1
29-1071	Physician Assistants	101	147	46	45.54	5	2	7	\$44.60	2
29-1081	Podiatrists	*	*	*	*	*	*	*	N/A	1
29-1122	Occupational Therapists	*	*	*	*	*	*	*	\$35.58	2
29-1123	Physical Therapists	53	89	36	67.92	4	1	5	\$42.04	1
29-1124	Radiation Therapists	*	*	*	*	*	*	*	N/A	4
29-1125	Recreational Therapists	*	*	*	*	*	*	*	N/A	3
29-1126	Respiratory Therapists	105	181	76	72.38	8	2	10	\$21.97	4
29-1127	Speech-Language Pathologists	75	82	7	9.33	1	1	2	\$32.39	2
29-1128	Exercise Physiologists	*	*	*	*	*	*	*	N/A	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	N/A	3
29-1131	Veterinarians	*	*	*	*	*	*	*	N/A	1
29-1141	Registered Nurses	1601	2657	1056	65.96	106	31	137	\$23.60	4
29-1151	Nurse Anesthetists	*	*	*	*	*	*	*	N/A	2
29-1161	Nurse Midwives	*	*	*	*	*	*	*	N/A	2
29-1171	Nurse Practitioners	76	109	33	43.42	3	2	5	\$41.75	2

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Septs	Total		
29-1181	Audiologists	*	*	*	*	*	*	*	N/A	1
29-2000	Health Technologists and Technicians	1618	2273	655	40.48	66	30	96	N/A	N/A
29-2011	Medical and Clinical Laboratory Technologists	*	*	*	*	*	*	*	\$26.57	3
29-2012	Medical and Clinical Laboratory Technicians	*	*	*	*	*	*	*	\$17.51	4
29-2021	Dental Hygienists	55	70	15	27.27	2	1	3	\$24.30	4
29-2031	Cardiovascular Technologists and Technicians	*	*	*	*	*	*	*	\$20.24	4
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	\$27.46	4
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	\$29.64	4
29-2034	Radiologic Technologists	198	320	122	61.62	12	3	15	\$22.74	4
29-2035	Magnetic Resonance Imaging Technologists	*	*	*	*	*	*	*	\$28.63	4
29-2041	Emergency Medical Technicians and Paramedics	149	195	46	30.87	5	4	9	\$15.43	5
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	N/A	4
29-2052	Pharmacy Technicians	257	300	43	16.73	4	2	6	\$13.26	7
29-2054	Respiratory Therapy Technicians	*	*	*	*	*	*	*	N/A	4
29-2055	Surgical Technologists	*	*	*	*	*	*	*	\$17.02	5
29-2056	Veterinary Technologists and Technicians	*	*	*	*	*	*	*	\$12.96	4
29-2061	Licensed Practical and Licensed Vocational Nurses	432	539	107	24.77	11	10	21	\$17.05	5
29-2071	Medical Records and Health Information Technicians	106	154	48	45.28	5	3	8	\$15.29	5
29-2081	Opticians, Dispensing	*	*	*	*	*	*	*	\$13.71	7
29-2091	Orthotists and Prosthetists	*	*	*	*	*	*	*	N/A	2
29-2099	Health Technologists and Technicians, All Other	72	116	44	61.11	4	1	5	\$21.04	7
29-9000	Other Healthcare Practitioners and Technical Occupations	*	*	*	*	*	*	*	N/A	N/A
29-9011	Occupational Health and Safety Specialists	*	*	*	*	*	*	*	\$25.16	3
29-9012	Occupational Health and Safety Technicians	*	*	*	*	*	*	*	N/A	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	N/A	3
29-9099	Healthcare Practitioners and Technical Workers, All Other	*	*	*	*	*	*	*	N/A	3

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Occupational Employment Outlook

Healthcare Support Occupations

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual 2012-2022				
						Growth	Septs	Total		
31-0000	Healthcare Support Occupations	2221	2830	609	27.42	61	43	104	\$11.77	N/A
31-1000	Nursing, Psychiatric, and Home Health Aides	1441	1802	361	25.05	36	28	64	N/A	N/A
31-1011	Home Health Aides	119	177	58	48.74	6	2	8	\$9.95	8
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	N/A	7
31-1014	Nursing Assistants	1284	1577	293	22.82	29	24	53	\$10.89	5
31-1015	Orderlies	*	*	*	*	*	*	*	\$10.94	7
31-2000	Occu. Therapy and Physical Therapist Assistants and Aides	109	173	64	58.72	6	2	8	N/A	N/A
31-2011	Occupational Therapy Assistants	*	*	*	*	*	*	*	\$18.78	4
31-2021	Physical Therapist Assistants	52	78	26	50	3	1	4	\$22.76	4
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	\$9.69	7
31-9000	Other Healthcare Support Occupations	671	855	184	27.42	19	13	32	N/A	N/A
31-9011	Massage Therapists	*	*	*	*	*	*	*	\$13.64	5
31-9091	Dental Assistants	53	63	10	18.87	1	1	2	\$13.27	5
31-9092	Medical Assistants	353	448	95	26.91	10	7	17	\$12.73	5
31-9093	Medical Equipment Preparers	*	*	*	*	*	*	*	\$13.71	7
31-9094	Medical Transcriptionists	74	90	16	21.62	2	1	3	\$14.79	5
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	N/A	7
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	53	51	-2	-3.77	0	1	1	N/A	7
31-9097	Phlebotomists	*	*	*	*	*	*	*	\$12.30	5
31-9099	Healthcare Support Workers, All Other	*	*	*	*	*	*	*	\$13.28	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Occupational Employment Outlook

Protective Service Occupations

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
33-0000	Protective Service Occupations	608	494	-114	-18.75	1	17	18	\$16.55	N/A
33-1000	Supervisors of Protective Service Workers	71	52	-19	-26.76	0	2	2	N/A	N/A
33-1012	First-Line Supervisors of Police and Detectives	*	*	*	*	*	*	*	\$25.49	7
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	*	*	*	*	*	*	*	\$24.10	5
33-1099	First-Line Supervisors of Protective Service Workers, All Other	*	*	*	*	*	*	*	\$14.12	7
33-2000	Fire Fighting and Prevention Workers	*	*	*	*	*	*	*	N/A	N/A
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	N/A	7
33-3000	Law Enforcement Workers	230	149	-81	-35.22	0	7	7	N/A	N/A
33-3021	Detectives and Criminal Investigators	*	*	*	*	*	*	*	\$31.22	7
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	N/A	7
33-3051	Police and Sheriff's Patrol Officers	204	133	-71	-34.8	0	6	6	\$17.68	7
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	N/A	7
33-9000	Other Protective Service Workers	298	287	-11	-3.69	1	8	9	N/A	N/A
33-9032	Security Guards	240	246	6	2.5	1	4	5	\$11.61	7
33-9091	Crossing Guards	*	*	*	*	*	*	*	N/A	7
33-9092	Lifeguards, Ski Patrol, & Other Rec. Protective Service Workers	*	*	*	*	*	*	*	N/A	7
33-9099	Protective Service Workers, All Other	*	*	*	*	*	*	*	\$10.92	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Food Preparation & Service Related Occs.

Occupational Employment Outlook

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	Percent	Avg. Annual 2012-2022				
						Growth	Seps	Total		
35-0000	Food Preparation and Serving Related Occupations	6509	7633	1124	17.27	113	234	347	\$9.18	N/A
35-1000	Supervisors of Food Preparation and Serving Workers	587	701	114	19.42	12	16	28	N/A	N/A
35-1011	Chefs and Head Cooks	*	*	*	*	*	*	*	\$26.11	7
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	*	*	*	*	*	*	*	\$13.82	7
35-2000	Cooks and Food Preparation Workers	1696	1899	203	11.97	20	37	57	N/A	N/A
35-2011	Cooks, Fast Food	225	242	17	7.56	2	4	6	\$8.64	8
35-2012	Cooks, Institution and Cafeteria	541	572	31	5.73	3	11	14	\$10.11	8
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	N/A	5
35-2014	Cooks, Restaurant	519	637	118	22.74	12	10	22	\$9.25	8
35-2015	Cooks, Short Order	*	*	*	*	*	*	*	\$8.66	8
35-2021	Food Preparation Workers	395	432	37	9.37	4	11	15	\$8.81	8
35-3000	Food and Beverage Serving Workers	3824	4580	756	19.77	76	157	233	N/A	N/A
35-3011	Bartenders	155	183	28	18.06	3	6	9	\$9.86	8
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	2532	3142	610	24.09	61	97	158	\$8.14	8
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	55	58	3	5.45	0	3	3	\$8.58	8
35-3031	Waiters and Waitresses	1021	1126	105	10.28	10	49	59	\$9.13	8
35-3041	Food Servers, Nonrestaurant	61	71	10	16.39	1	2	3	N/A	8
35-9000	Other Food Preparation and Serving Related Workers	402	453	51	12.69	5	24	29	N/A	N/A
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	*	*	*	*	*	*	*	N/A	8
35-9021	Dishwashers	128	139	11	8.59	1	6	7	\$8.22	8
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	208	240	32	15.38	3	16	19	\$8.24	8
35-9099	Food Preparation and Serving Related Workers, All Other	*	*	*	*	*	*	*	\$8.02	8

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Building & Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022				
				Number	Percent	Growth	Septs	Total		
37-0000	Building and Grounds Cleaning and Maintenance Occupations	2653	2828	175	6.6	24	54	78	\$10.24	N/A
37-1000	Supervisors of Building & Grounds Cleaning & Main. Workers	232	219	-13	-5.6	1	4	5	N/A	N/A
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	113	123	10	8.85	1	3	4	\$14.03	7
37-1012	First-Line Supervisors of Lands., Lawn Service, & Grounds. Workers	119	96	-23	-19.33	0	1	1	\$15.84	7
37-2000	Building Cleaning and Pest Control Workers	1971	2200	229	11.62	23	38	61	N/A	N/A
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	1168	1222	54	4.62	5	22	27	\$9.97	8
37-2012	Maids and Housekeeping Cleaners	796	971	175	21.98	18	16	34	\$8.73	8
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	N/A	8
37-2021	Pest Control Workers	*	*	*	*	*	*	*	N/A	7
37-3000	Grounds Maintenance Workers	450	409	-41	-9.11	0	11	11	N/A	N/A
37-3011	Landscaping and Groundskeeping Workers	336	291	-45	-13.39	0	8	8	\$10.07	8
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	67	68	1	1.49	0	2	2	N/A	7
37-3013	Tree Trimmers and Pruners	*	*	*	*	*	*	*	N/A	7
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	N/A	8

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Personal Care and Service Occupations

Occupational Employment Outlook

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual 2012-2022				
						Growth	Seps	Total		
39-0000	Personal Care and Service Occupations	1787	1691	-96	-5.37	8	48	56	\$9.88	N/A
39-1000	Supervisors of Personal Care and Service Workers	165	139	-26	-15.76	0	3	3	N/A	N/A
39-1021	First-Line Supervisors of Personal Service Workers	165	139	-26	-15.76	0	3	3	\$14.21	7
39-2000	Animal Care and Service Workers	58	79	21	36.21	2	1	3	N/A	N/A
39-2011	Animal Trainers	*	*	*	*	*	*	*	N/A	7
39-2021	Nonfarm Animal Caretakers	*	*	*	*	*	*	*	\$9.14	8
39-3000	Entertainment Attendants and Related Workers	98	66	-32	-32.65	0	5	5	N/A	N/A
39-3031	Ushers, Lobby Attendants, and Ticket Takers	*	*	*	*	*	*	*	N/A	8
39-3091	Amusement and Recreation Attendants	*	*	*	*	*	*	*	\$8.53	8
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	N/A	N/A
39-4021	Funeral Attendants	*	*	*	*	*	*	*	N/A	7
39-4031	Morticians, Undertakers, and Funeral Directors	*	*	*	*	*	*	*	\$16.06	4
39-5000	Personal Appearance Workers	259	181	-78	-30.12	0	6	6	N/A	N/A
39-5012	Hairdressers, Hairstylists, and Cosmetologists	*	*	*	*	*	*	*	\$10.42	5
39-5092	Manicurists and Pedicurists	*	*	*	*	*	*	*	N/A	5
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	1158	1195	37	3.2	6	32	38	N/A	N/A
39-9011	Childcare Workers	659	670	11	1.67	1	19	20	\$8.93	7
39-9021	Personal Care Aides	137	171	34	24.82	3	1	4	\$8.53	8
39-9031	Fitness Trainers and Aerobics Instructors	*	*	*	*	*	*	*	\$11.00	7
39-9032	Recreation Workers	98	87	-11	-11.22	0	1	1	\$10.90	3
39-9041	Residential Advisors	225	241	16	7.11	2	10	12	\$8.84	7
39-9099	Personal Care and Service Workers, All Other	*	*	*	*	*	*	*	N/A	7

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Sales and Related Occupations

Occupational Employment Outlook

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	Percent	Avg. Annual 2012-2022				
						Growth	Septs	Total		
41-0000	Sales and Related Occupations	6290	5583	-707	-11.24	1	196	197	\$11.96	N/A
41-1000	Supervisors of Sales Workers	1014	856	-158	-15.58	0	21	21	N/A	N/A
41-1011	First-Line Supervisors of Retail Sales Workers	905	764	-141	-15.58	0	20	20	\$15.49	7
41-1012	First-Line Supervisors of Non-Retail Sales Workers	109	92	-17	-15.6	0	1	1	\$23.81	7
41-2000	Retail Sales Workers	4272	3765	-507	-11.87	0	154	154	N/A	N/A
41-2011	Cashiers	1247	1085	-162	-12.99	0	54	54	\$8.52	8
41-2021	Counter and Rental Clerks	178	151	-27	-15.17	0	4	4	\$10.11	8
41-2022	Parts Salespersons	182	166	-16	-8.79	0	5	5	\$13.06	8
41-2031	Retail Salespersons	2665	2363	-302	-11.33	0	91	91	\$10.33	8
41-3000	Sales Representatives, Services	364	355	-9	-2.47	1	9	10	N/A	N/A
41-3011	Advertising Sales Agents	*	*	*	*	*	*	*	\$15.04	7
41-3021	Insurance Sales Agents	149	155	6	4.03	1	4	5	\$27.46	7
41-3031	Securities, Commodities, and Financial Services Sales Agents	64	56	-8	-12.5	0	2	2	\$31.19	3
41-3041	Travel Agents	*	*	*	*	*	*	*	N/A	7
41-3099	Sales Representatives, Services, All Other	110	108	-2	-1.82	0	3	3	\$22.66	7
41-4000	Sales Representatives, Wholesale and Manufacturing	462	451	-11	-2.38	0	9	9	N/A	N/A
41-4011	Sales Reps., Wholesale & Manufacturing, Tech. & Scientific Products	53	53	0	0	0	1	1	\$24.19	3
41-4012	Sales Reps., Wholesale & Manu., Except Tech. & Scientific Products	409	398	-11	-2.69	0	8	8	\$21.88	7
41-9000	Other Sales and Related Workers	178	156	-22	-12.36	0	3	3	N/A	N/A
41-9011	Demonstrators and Product Promoters	*	*	*	*	*	*	*	N/A	7
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	N/A	7
41-9022	Real Estate Sales Agents	72	68	-4	-5.56	0	1	1	\$13.67	7
41-9041	Telemarketers	*	*	*	*	*	*	*	N/A	8
41-9099	Sales and Related Workers, All Other	98	80	-18	-18.37	0	2	2	\$11.15	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA Occupational Employment Outlook

Office & Administrative Support Occupations

Occupational		Employment		Change		Job Openings			Avg	Education
Code	Title	2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022			Wage	Training Req'd
				Number	Percent	Growth	Seps	Total	2014	
43-0000	Office and Administrative Support Occupations	9298	9399	101	1.09	69	203	272	\$13.55	N/A
43-1000	Supervisors of Office and Administrative Support Workers	672	665	-7	-1.04	0	16	16	N/A	N/A
43-1011	First-Line Supervisors of Office and Administrative Support Workers	672	665	-7	-1.04	0	16	16	\$20.17	7
43-2000	Communications Equipment Operators	*	*	*	*	*	*	*	N/A	N/A
43-2011	Switchboard Operators, Including Answering Service	*	*	*	*	*	*	*	\$11.38	7
43-3000	Financial Clerks	1850	1899	49	2.65	15	40	55	N/A	N/A
43-3011	Bill and Account Collectors	98	113	15	15.31	2	3	5	\$14.23	7
43-3021	Billing and Posting Clerks	445	554	109	24.49	11	8	19	\$13.72	7
43-3031	Bookkeeping, Accounting, and Auditing Clerks	780	770	-10	-1.28	0	7	7	\$14.47	7
43-3051	Payroll and Timekeeping Clerks	88	103	15	17.05	2	2	4	\$17.23	7
43-3061	Procurement Clerks	*	*	*	*	*	*	*	\$18.10	7
43-3071	Tellers	421	334	-87	-20.67	0	20	20	\$10.19	7
43-4000	Information and Record Clerks	2364	2521	157	6.64	26	62	88	N/A	N/A
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	N/A	7
43-4031	Court, Municipal, and License Clerks	144	94	-50	-34.72	0	2	2	\$14.36	7
43-4041	Credit Authorizers, Checkers, and Clerks	*	*	*	*	*	*	*	N/A	7
43-4051	Customer Service Representatives	674	682	8	1.19	1	18	19	\$13.27	7
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	\$21.28	7
43-4071	File Clerks	57	57	0	0	0	1	1	\$10.46	7
43-4081	Hotel, Motel, and Resort Desk Clerks	155	161	6	3.87	1	7	8	\$8.34	7
43-4111	Interviewers, Except Eligibility and Loan	146	219	73	50	7	3	10	\$12.12	7
43-4121	Library Assistants, Clerical	*	*	*	*	*	*	*	\$9.33	7
43-4131	Loan Interviewers and Clerks	105	90	-15	-14.29	0	1	1	\$13.35	7
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	\$19.49	7
43-4151	Order Clerks	90	71	-19	-21.11	0	2	2	\$11.74	7
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	*	*	*	*	*	*	*	\$16.48	7
43-4171	Receptionists and Information Clerks	838	1009	171	20.41	17	23	40	\$10.91	7
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	*	*	*	*	*	*	*	N/A	7
43-4199	Information and Record Clerks, All Other	*	*	*	*	*	*	*	\$17.77	7
43-5000	Material Recording, Scheduling, Dispatching, & Dist. Workers	1465	1271	-194	-13.24	2	41	43	N/A	N/A

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Office & Administrative Support Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Septs	Total	2014	
43-5011	Cargo and Freight Agents	*	*	*	*	*	*	*	N/A	7
43-5021	Couriers and Messengers	*	*	*	*	*	*	*	\$10.70	7
43-5031	Police, Fire, and Ambulance Dispatchers	*	*	*	*	*	*	*	\$12.93	7
43-5032	Dispatchers, Except Police, Fire, and Ambulance	*	*	*	*	*	*	*	\$15.23	7
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	\$12.24	7
43-5061	Production, Planning, and Expediting Clerks	146	119	-27	-18.49	0	4	4	\$18.32	7
43-5071	Shipping, Receiving, and Traffic Clerks	226	205	-21	-9.29	0	6	6	\$14.62	7
43-5081	Stock Clerks and Order Fillers	835	700	-135	-16.17	0	25	25	\$11.45	8
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	76	73	-3	-3.95	0	2	2	\$16.29	7
43-6000	Secretaries and Administrative Assistants	1874	2057	183	9.77	27	22	49	N/A	N/A
43-6011	Executive Secretaries and Executive Administrative Assistants	326	285	-41	-12.58	0	4	4	\$18.26	7
43-6012	Legal Secretaries	206	161	-45	-21.84	0	2	2	\$13.50	7
43-6013	Medical Secretaries	253	451	198	78.26	20	3	23	\$13.20	7
43-6014	Secretaries & Admin. Assistants, Except Legal, Medical, & Executive	1089	1160	71	6.52	7	13	20	\$12.55	7
43-9000	Other Office and Administrative Support Workers	1039	952	-87	-8.37	0	22	22	N/A	N/A
43-9011	Computer Operators	*	*	*	*	*	*	*	\$13.36	7
43-9021	Data Entry Keyers	*	*	*	*	*	*	*	\$13.43	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	*	*	*	*	*	*	*	\$18.05	7
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	*	*	*	*	*	*	*	\$11.13	7
43-9061	Office Clerks, General	819	765	-54	-6.59	0	17	17	\$11.98	7
43-9071	Office Machine Operators, Except Computer	*	*	*	*	*	*	*	N/A	7
43-9081	Proofreaders and Copy Markers	*	*	*	*	*	*	*	N/A	3
43-9111	Statistical Assistants	*	*	*	*	*	*	*	N/A	3
43-9199	Office and Administrative Support Workers, All Other	*	*	*	*	*	*	*	\$14.54	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook

Occupational Code Title		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022 Number	2012-2022 Percent	Avg. Annual 2012-2022				
						Growth	Seps	Total		
45-0000	Farming, Fishing, and Forestry Occupations	114	130	16	14.04	3	3	6	\$12.68	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	79	101	22	27.85	3	2	5	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	*	*	*	*	*	*	*	N/A	8
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	*	*	*	*	*	*	*	\$8.83	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
45-4021	Fallers	*	*	*	*	*	*	*	N/A	7
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	N/A	7
45-4023	Log Graders and Scalars	*	*	*	*	*	*	*	N/A	7

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

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

TENCO LWDA

Occupational Employment Outlook

Construction & Extraction Occupations

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
47-0000	Construction and Extraction Occupations	3164	2946	-218	-6.89	4	54	58	\$20.35	N/A
47-1000	Supervisors of Construction and Extraction Workers	396	361	-35	-8.84	0	4	4	N/A	N/A
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	396	361	-35	-8.84	0	4	4	\$27.72	7
47-2000	Construction Trades Workers	2173	2079	-94	-4.33	3	40	43	N/A	N/A
47-2011	Boilermakers	*	*	*	*	*	*	*	N/A	7
47-2021	Brickmasons and Blockmasons	*	*	*	*	*	*	*	N/A	7
47-2031	Carpenters	349	333	-16	-4.58	0	4	4	\$19.13	7
47-2041	Carpet Installers	*	*	*	*	*	*	*	N/A	8
47-2044	Tile and Marble Setters	*	*	*	*	*	*	*	N/A	8
47-2051	Cement Masons and Concrete Finishers	*	*	*	*	*	*	*	\$16.25	8
47-2061	Construction Laborers	604	621	17	2.81	2	13	15	\$15.56	8
47-2071	Paving, Surfacing, and Tamping Equipment Operators	*	*	*	*	*	*	*	\$14.44	7
47-2073	Operating Engineers and Other Construction Equipment Operators	391	336	-55	-14.07	0	9	9	\$20.59	7
47-2081	Drywall and Ceiling Tile Installers	*	*	*	*	*	*	*	N/A	8
47-2111	Electricians	239	222	-17	-7.11	0	4	4	\$26.81	7
47-2121	Glaziers	*	*	*	*	*	*	*	\$15.76	7
47-2141	Painters, Construction and Maintenance	98	105	7	7.14	1	2	3	\$14.64	8
47-2142	Paperhangers	*	*	*	*	*	*	*	N/A	7
47-2151	Pipelayers	74	77	3	4.05	0	1	1	\$22.18	8
47-2152	Plumbers, Pipefitters, and Steamfitters	235	211	-24	-10.21	0	3	3	\$26.43	7
47-2181	Roofers	*	*	*	*	*	*	*	N/A	8
47-2211	Sheet Metal Workers	*	*	*	*	*	*	*	\$20.72	7
47-2221	Structural Iron and Steel Workers	*	*	*	*	*	*	*	N/A	7
47-3000	Helpers, Construction Trades	130	132	2	1.54	0	2	2	N/A	N/A
47-3011	Helpers--Brick., Blockmasons, Stonemasons, & Tile & Marble Setters	*	*	*	*	*	*	*	N/A	8
47-3012	Helpers--Carpenters	*	*	*	*	*	*	*	\$12.25	8
47-3013	Helpers--Electricians	*	*	*	*	*	*	*	N/A	7
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	79	79	0	0	0	1	1	\$13.49	7
47-4000	Other Construction and Related Workers	345	303	-42	-12.17	1	6	7	N/A	N/A
47-4011	Construction and Building Inspectors	*	*	*	*	*	*	*	\$22.23	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Construction & Extraction Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg	Education
Code	Title	2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022			Wage	Training Req'd
				Number	Percent	Growth	Septs	Total	2014	
47-4031	Fence Erectors	*	*	*	*	*	*	*	N/A	7
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	N/A	7
47-4051	Highway Maintenance Workers	214	171	-43	-20.09	0	3	3	\$16.83	7
47-4061	Rail-Track Laying and Maintenance Equipment Operators	*	*	*	*	*	*	*	N/A	7
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	*	*	*	N/A	8
47-4099	Construction and Related Workers, All Other	*	*	*	*	*	*	*	N/A	7
47-5000	Extraction Workers	120	71	-49	-40.83	0	2	2	N/A	N/A
47-5011	Derrick Operators, Oil and Gas	*	*	*	*	*	*	*	N/A	8
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	*	*	*	N/A	8
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	*	*	*	N/A	8
47-5021	Earth Drillers, Except Oil and Gas	*	*	*	*	*	*	*	N/A	7
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	*	*	*	*	*	*	*	N/A	7
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	N/A	7
47-5071	Roustabouts, Oil and Gas	*	*	*	*	*	*	*	N/A	8
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	\$16.26	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA Occupational Employment Outlook

Installation, Maintenance, & Repair Occupations

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022				
Code	Title			Number	Percent	Growth	Septs	Total		
49-0000	Installation, Maintenance, and Repair Occupations	3239	3203	-36	-1.11	10	79	89	\$19.12	N/A
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	316	299	-17	-5.38	0	8	8	N/A	N/A
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	316	299	-17	-5.38	0	8	8	\$25.48	7
49-2000	Electrical & Electronic Equip. Mechanics, Installers, & Repairers	151	145	-6	-3.97	0	2	2	N/A	N/A
49-2011	Computer, Automated Teller, and Office Machine Repairers	*	*	*	*	*	*	*	N/A	6
49-2021	Radio, Cellular, and Tower Equipment Installers and Repairs	*	*	*	*	*	*	*	N/A	4
49-2022	Telecomm. Equipment Installers and Repairers, Except Line Installers	62	65	3	4.84	0	1	1	\$24.12	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 and Industrial Equip.	*	*	*	*	*	*	*	N/A	5
49-2095	Electrical & Electronics Repairers, Powerhouse, Substation, & Relay	*	*	*	*	*	*	*	N/A	5
49-2098	Security and Fire Alarm Systems Installers	*	*	*	*	*	*	*	N/A	7
49-3000	Vehicle & Mobile Equipment Mechanics, Installers, & Repairers	946	869	-77	-8.14	1	24	25	N/A	N/A
49-3011	Aircraft Mechanics and Service Technicians	*	*	*	*	*	*	*	\$19.37	5
49-3021	Automotive Body and Related Repairers	77	74	-3	-3.9	0	2	2	\$19.60	7
49-3022	Automotive Glass Installers and Repairers	*	*	*	*	*	*	*	N/A	7
49-3023	Automotive Service Technicians and Mechanics	429	361	-68	-15.85	0	11	11	\$14.22	7
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	195	183	-12	-6.15	0	4	4	\$16.18	7
49-3041	Farm Equipment Mechanics and Service Technicians	56	58	2	3.57	0	2	2	\$10.98	7
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	114	115	1	0.88	0	3	3	\$18.85	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	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	1826	1890	64	3.5	8	45	53	N/A	N/A
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	*	*	*	*	*	*	*	\$16.52	7
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	111	117	6	5.41	1	3	4	\$18.64	5
49-9031	Home Appliance Repairers	*	*	*	*	*	*	*	N/A	7
49-9041	Industrial Machinery Mechanics	667	675	8	1.2	1	19	20	\$25.05	7
49-9043	Maintenance Workers, Machinery	57	56	-1	-1.75	0	1	1	\$19.34	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Installation, Maintenance, & Repair Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg	Education
Code	Title	2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022			Wage 2014	Training Req'd
				Number	Percent	Growth	Seps	Total		
49-9044	Millwrights	*	*	*	*	*	*	*	\$20.08	7
49-9045	Refractory Materials Repairers, Except Brickmasons	*	*	*	*	*	*	*	N/A	7
49-9051	Electrical Power-Line Installers and Repairers	*	*	*	*	*	*	*	\$23.13	7
49-9052	Telecommunications Line Installers and Repairers	100	110	10	10	1	2	3	\$21.83	7
49-9062	Medical Equipment Repairers	58	93	35	60.34	4	2	6	\$19.32	4
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	*	*	*	N/A	7
49-9069	Precision Instrument and Equipment Repairers, All Other	*	*	*	*	*	*	*	N/A	7
49-9071	Maintenance and Repair Workers, General	590	602	12	2.03	1	11	12	\$15.63	7
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	*	*	*	*	*	*	*	N/A	7
49-9092	Commercial Divers	*	*	*	*	*	*	*	N/A	5
49-9095	Manufactured Building and Mobile Home Installers	*	*	*	*	*	*	*	N/A	7
49-9097	Signal and Track Switch Repairers	*	*	*	*	*	*	*	N/A	7
49-9098	Helpers--Installation, Maintenance, and Repair Workers	56	57	1	1.79	0	2	2	\$9.84	7
49-9099	Installation, Maintenance, and Repair Workers, All Other	*	*	*	*	*	*	*	\$19.82	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA Occupational Employment Outlook

Production Occupations

Occupational		Employment		Change		Job Openings			Avg	Education
Code	Title	2012 Estimated	2022 Projected	2012-2022		Avg. Annual 2012-2022			Wage	Training Req'd
				Number	Percent	Growth	Seps	Total	2014	
51-0000	Production Occupations	6157	5666	-491	-7.97	6	132	138	\$15.79	N/A
51-1000	Supervisors of Production Workers	501	451	-50	-9.98	0	7	7	N/A	N/A
51-1011	First-Line Supervisors of Production and Operating Workers	501	451	-50	-9.98	0	7	7	\$23.93	5
51-2000	Assemblers and Fabricators	872	857	-15	-1.72	0	14	14	N/A	N/A
51-2041	Structural Metal Fabricators and Fitters	*	*	*	*	*	*	*	N/A	7
51-2092	Team Assemblers	564	549	-15	-2.66	0	9	9	\$12.97	7
51-2099	Assemblers and Fabricators, All Other	303	302	-1	-0.33	0	5	5	\$13.60	7
51-3000	Food Processing Workers	553	573	20	3.62	2	15	17	N/A	N/A
51-3011	Bakers	104	109	5	4.81	0	2	2	\$11.27	8
51-3021	Butchers and Meat Cutters	*	*	*	*	*	*	*	\$12.77	8
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	*	*	*	N/A	8
51-3023	Slaughterers and Meat Packers	*	*	*	*	*	*	*	N/A	8
51-3091	Food & Tobacco Roasting, Baking, & Drying Machine Operators & Tenders	143	152	9	6.29	1	4	5	N/A	8
51-3092	Food Batchmakers	199	203	4	2.01	0	6	6	N/A	7
51-3093	Food Cooking Machine Operators and Tenders	*	*	*	*	*	*	*	N/A	7
51-3099	Food Processing Workers, All Other	*	*	*	*	*	*	*	N/A	8
51-4000	Metal Workers and Plastic Workers	1471	1320	-151	-10.27	2	28	30	N/A	N/A
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	174	185	11	6.32	1	5	6	\$14.29	7
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal & Plastic	*	*	*	*	*	*	*	\$16.08	7
51-4021	Extruding and Drawing Machine SOT**, Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-4031	Cutting, Punching, and Press Machine SOT**, Metal and Plastic	273	244	-29	-10.62	0	2	2	\$13.24	7
51-4032	Drilling and Boring Machine Tool SOT**, Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-4033	Grind. Lapping, Polishing, & Buffing Machine Tool SOT**, Metal & Plastic	*	*	*	*	*	*	*	N/A	7
51-4034	Lathe and Turning Machine Tool SOT** Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-4035	Milling and Planing Machine SOT**, Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-4041	Machinists	175	176	1	0.57	0	4	4	\$17.74	7
51-4051	Metal-Refining Furnace Operators and Tenders	*	*	*	*	*	*	*	N/A	7
51-4052	Pourers and Casters, Metal	*	*	*	*	*	*	*	N/A	7

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

** SOT - Setters, Operators and Tenders

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

TENCO LWDA

Production Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total	2014	
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-4072	Molding, Coremaking, and Casting Machine SOT** Metal and Plastic	120	93	-27	-22.5	0	2	2	\$11.84	7
51-4081	Multiple Machine Tool SOT**, Metal and Plastic	*	*	*	*	*	*	*	\$17.99	7
51-4111	Tool and Die Makers	50	51	1	2	0	0	0	\$18.70	7
51-4121	Welders, Cutters, Solderers, and Brazers	356	359	3	0.84	0	9	9	\$16.16	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
51-5100	Printing Workers	*	*	*	*	*	*	*	N/A	N/A
51-5112	Printing Press Operators	*	*	*	*	*	*	*	\$12.09	7
51-5113	Print Binding and Finishing Workers	*	*	*	*	*	*	*	N/A	7
51-6000	Textile, Apparel, and Furnishings Workers	167	155	-12	-7.19	0	4	4	N/A	N/A
51-6011	Laundry and Dry-Cleaning Workers	108	106	-2	-1.85	0	3	3	\$9.83	8
51-6021	Pressers, Textile, Garment, and Related Materials	*	*	*	*	*	*	*	\$8.31	8
51-6031	Sewing Machine Operators	*	*	*	*	*	*	*	\$9.04	8
51-6051	Sewers, Hand	*	*	*	*	*	*	*	N/A	8
51-6052	Tailors, Dressmakers, and Custom Sewers	*	*	*	*	*	*	*	N/A	8
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	N/A	7
51-6063	Textile Knitting and Weaving Machine SOT**	*	*	*	*	*	*	*	N/A	7
51-6091	Extruding and Forming Machine SOT**, Synthetic and Glass Fibers	*	*	*	*	*	*	*	N/A	7
51-6092	Fabric and Apparel Patternmakers	*	*	*	*	*	*	*	N/A	7
51-6093	Upholsterers	*	*	*	*	*	*	*	N/A	7
51-6099	Textile, Apparel, and Furnishings Workers, All Other	*	*	*	*	*	*	*	N/A	7
51-7000	Woodworkers	362	292	-70	-19.34	0	7	7	N/A	N/A
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	*	*	*	*	*	*	*	\$12.90	7
51-7042	Woodworking Machine SOT**, Except Sawing	154	135	-19	-12.34	0	1	1	\$9.37	7
51-7099	Woodworkers, All Other	155	115	-40	-25.81	0	5	5	N/A	7
51-8000	Plant and System Operators	409	331	-78	-19.07	0	14	14	N/A	N/A

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

** SOT - Setters, Operators and Tenders

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

TENCO LWDA

Production Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
51-8012	Power Distributors and Dispatchers	*	*	*	*	*	*	*	N/A	7
51-8013	Power Plant Operators	98	90	-8	-8.16	0	3	3	N/A	7
51-8031	Water and Wastewater Treatment Plant and System Operators	*	*	*	*	*	*	*	\$15.64	7
51-8091	Chemical Plant and System Operators	*	*	*	*	*	*	*	N/A	7
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	N/A	7
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	*	*	*	*	*	*	*	N/A	7
51-8099	Plant and System Operators, All Other	*	*	*	*	*	*	*	N/A	7
51-9000	Other Production Occupations	1803	1668	-135	-7.49	1	42	43	N/A	N/A
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	*	*	*	N/A	7
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine SOT**	*	*	*	*	*	*	*	N/A	7
51-9021	Crushing, Grinding, and Polishing Machine SOT**	*	*	*	*	*	*	*	N/A	7
51-9022	Grinding and Polishing Workers, Hand	*	*	*	*	*	*	*	N/A	8
51-9023	Mixing and Blending Machine SOT**	75	69	-6	-8	0	2	2	\$14.30	7
51-9031	Cutters and Trimmers, Hand	*	*	*	*	*	*	*	N/A	8
51-9032	Cutting and Slicing Machine SOT**	*	*	*	*	*	*	*	\$18.68	7
51-9041	Extruding, Forming, Pressing, and Compacting Machine SOT**	*	*	*	*	*	*	*	\$15.38	7
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	*	*	*	*	*	*	*	\$16.66	7
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	241	220	-21	-8.71	0	5	5	\$15.27	7
51-9071	Jewelers and Precious Stone and Metal Workers	*	*	*	*	*	*	*	N/A	7
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	N/A	7
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	N/A	7
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	N/A	7
51-9111	Packaging and Filling Machine Operators and Tenders	561	558	-3	-0.53	0	13	13	N/A	7
51-9121	Coating, Painting, and Spraying Machine SOT**	170	178	8	4.71	1	3	4	\$14.47	7
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	\$18.43	7
51-9123	Painting, Coating, and Decorating Workers	*	*	*	*	*	*	*	N/A	8
51-9151	Photographic Process Workers and Processing Machine Operators	*	*	*	*	*	*	*	N/A	7
51-9191	Adhesive Bonding Machine Operators and Tenders	*	*	*	*	*	*	*	N/A	7
51-9193	Cooling and Freezing Equipment Operators and Tenders	*	*	*	*	*	*	*	N/A	7

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

** SOT - Setters, Operators and Tenders

Source: Kentucky Education and Workforce Development Cabinet,
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TENCO LWDA

Production Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
51-9194	Etchers and Engravers	*	*	*	*	*	*	*	N/A	7
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	*	*	*	*	*	*	*	N/A	7
51-9196	Paper Goods Machine Setters, Operators, and Tenders	*	*	*	*	*	*	*	N/A	7
51-9198	Helpers--Production Workers	203	177	-26	-12.81	0	4	4	\$13.49	8
51-9199	Production Workers, All Other	226	202	-24	-10.62	0	6	6	\$13.15	7

* Employment under 50 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 46

** SOT - Setters, Operators and Tenders

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

TENCO LWDA

Occupational Employment Outlook

Transportation & Material Moving Occupations

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
53-0000	Transportation and Material Moving Occupations	6209	5994	-215	-3.46	11	152	163	\$14.36	N/A
53-1000	Supervisors of Transportation and Material Moving Workers	235	236	1	0.43	0	6	6	N/A	N/A
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	N/A	7
53-1021	First-Line Supervisors of Helpers, Laborers, & Material Movers, Hand	*	*	*	*	*	*	*	\$17.63	7
53-1031	First-Line Superv. of Transpo. & Material-Moving Mach. & Veh. Ops	159	155	-4	-2.52	0	4	4	\$23.05	7
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	N/A	N/A
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	*	*	*	N/A	3
53-2012	Commercial Pilots	*	*	*	*	*	*	*	N/A	7
53-3000	Motor Vehicle Operators	2425	2486	61	2.52	9	39	48	N/A	N/A
53-3011	Ambulance Drivers & Attendants, Except Emergency Medical Tech.	56	73	17	30.36	2	1	3	N/A	7
53-3021	Bus Drivers, Transit and Intercity	*	*	*	*	*	*	*	N/A	7
53-3022	Bus Drivers, School or Special Client	569	547	-22	-3.87	0	10	10	\$13.25	7
53-3031	Driver/Sales Workers	278	341	63	22.66	6	4	10	\$11.21	7
53-3032	Heavy and Tractor-Trailer Truck Drivers	999	1009	10	1	1	16	17	\$17.56	5
53-3033	Light Truck or Delivery Services Drivers	372	365	-7	-1.88	0	6	6	\$14.68	7
53-3041	Taxi Drivers and Chauffeurs	146	146	0	0	0	2	2	\$11.56	8
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	N/A	7
53-4000	Rail Transportation Workers	*	*	*	*	*	*	*	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	*	*	*	*	*	*	*	N/A	7
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	N/A	7
53-5000	Water Transportation Workers	368	311	-57	-15.49	0	17	17	N/A	N/A
53-5011	Sailors and Marine Oilers	220	187	-33	-15	0	10	10	\$12.38	8
53-5021	Captains, Mates, and Pilots of Water Vessels	113	98	-15	-13.27	0	5	5	\$44.22	3
53-5022	Motorboat Operators	*	*	*	*	*	*	*	N/A	7
53-5031	Ship Engineers	*	*	*	*	*	*	*	N/A	3
53-6000	Other Transportation Workers	126	84	-42	-33.33	0	4	4	N/A	N/A

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

TENCO LWDA

Transportation & Material Moving Occupations

Occupational Employment Outlook

Occupational		Employment		Change		Job Openings			Avg Wage 2014	Education Training Req'd
		2012	2022	2012-2022		Avg. Annual 2012-2022				
Code	Title	Estimated	Projected	Number	Percent	Growth	Seps	Total		
53-6031	Automotive and Watercraft Service Attendants	108	70	-38	-35.19	0	3	3	\$9.33	8
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	N/A	7
53-6061	Transportation Attendants, Except Flight Attendants	*	*	*	*	*	*	*	N/A	7
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	N/A	7
53-7000	Material Moving Workers	3011	2824	-187	-6.21	1	84	85	N/A	N/A
53-7021	Crane and Tower Operators	99	61	-38	-38.38	0	3	3	\$22.80	7
53-7032	Excavating and Loading Machine and Dragline Operators	*	*	*	*	*	*	*	N/A	7
53-7033	Loading Machine Operators, Underground Mining	71	46	-25	-35.21	0	1	1	N/A	8
53-7051	Industrial Truck and Tractor Operators	404	354	-50	-12.38	0	9	9	\$15.73	8
53-7061	Cleaners of Vehicles and Equipment	315	322	7	2.22	1	9	10	\$11.43	8
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1661	1620	-41	-2.47	0	52	52	\$10.96	8
53-7063	Machine Feeders and Offbearers	77	67	-10	-12.99	0	2	2	N/A	8
53-7064	Packers and Packagers, Hand	218	197	-21	-9.63	0	6	6	\$10.37	8
53-7071	Gas Compressor and Gas Pumping Station Operators	*	*	*	*	*	*	*	N/A	8
53-7072	Pump Operators, Except Wellhead Pumps	*	*	*	*	*	*	*	N/A	8
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	N/A	8
53-7081	Refuse and Recyclable Material Collectors	*	*	*	*	*	*	*	\$10.57	8
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	*	*	*	N/A	8
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	N/A	8

* Employment under 50 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 46

Source: Kentucky Education and Workforce Development Cabinet,

Department for Workforce Investment, Office of Employment and Training, Workforce Intelligence Branch

Educational/Training Classifications

The Bureau of Labor Statistics (BLS) provides individual assignments to each occupation for three dimensions: education; work experience in a related field; and on-the-job training. The objective of this system is to present a complete picture of the education and training needed for entry into a given occupation and to become competent at performing the occupation.

Entry Level Education: Represents the typical education level needed to enter an occupation. There are eight possible assignments for this category.

- 1) Doctoral or Professional Degree:** Completion of a doctoral degree (Ph.D.) usually requires at least 3 years of full-time academic work beyond a bachelor's degree. Completion of a professional degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree. Examples of occupations for which a professional degree is the typical form of entry-level education include lawyers, physicians and surgeons, and dentists.
- 2) Master's Degree:** Completion of this degree usually requires 1 or 2 years of full-time academic study beyond a bachelor's degree. Examples of occupations in this category include statisticians, physician assistants, and educational, vocational, and school counselors.
- 3) Bachelor's Degree:** Completion of this degree generally requires at least 4 years, but not more than 5 years, of full-time academic study beyond high school. Examples of occupations in this category include budget analysts, dietitians, and civil engineers.
- 4) Associate's Degree:** Completion of this degree usually requires at least 2 years but not more than 4 years of full-time academic study beyond high school. Examples of occupations in this category include mechanical drafters, respiratory therapists, and dental hygienists.
- 5) Postsecondary Non-Degree Award:** These programs lead to a certificate or other award, but not a degree. The certificate is awarded by the educational institution and is the result of completing formal postsecondary schooling. Certification, which is issued by a professional organization or certifying body, is not included here. Some postsecondary non-degree award programs last only a few weeks, while others may last 1 to 2 years. Examples of occupations in this category include nursing aides, emergency medical technicians (EMTs) and paramedics, and hairstylists.
- 6) Some College, No Degree:** This category signifies the achievement of a high school diploma or equivalent plus the completion of one or more postsecondary courses that did not result in a degree or award. Examples of occupations in this category are actors and computer support specialists.
- 7) High School Diploma or Equivalent:** This category signifies the completion of high school or an equivalent program resulting in the award of a high school diploma or an equivalent, such as the General Educational Development (GED) credential. Examples of occupations in this category include social and human service assistants and pharmacy technicians.
- 8) Less than High School:** This category signifies the completion of any level of primary or secondary education that did not result in the award of a high school diploma or equivalent. Examples of occupations in this category include janitors and cleaners, cashiers, and carpet installers.

Work Experience in a Related Occupation: For some occupations, work experience in a related occupation may be a typical method of entry. The majority of occupations in this category are first-line supervisors or managers of service, sales, and production occupations. Although work experience in a related occupation is beneficial for all occupations, this metric is meant to capture work experience that is commonly considered necessary by employers, or is a commonly accepted substitute for other, more formal types of training or education. Occupations are assigned one of the following four categories that deal with length of time spent gaining related work experience:

- 1) More than 5 years:** This is assigned to occupations if more than 5 years of work experience in a related occupation is typically needed for entry. Examples include construction managers and computer and information systems managers.
- 2) 1 to 5 years:** To enter occupations in this category, workers typically need 1-5 years of work experience in a related occupation. Examples include marketing managers and database administrators.

- 3) Less than 1 year:** Examples of occupations that typically need less than 1 year of work experience in a related occupation include restaurant cooks and industrial truck and tractor operators.
- 4) None:** No work experience in a related occupation is typically needed. Examples are audiologists and actuaries.

Typical On-The-Job Training Needed to Attain Competency in the Occupation: This category encompasses any additional training or preparation that is typically needed, once employed in an occupation, to attain competency in the skills needed in that occupation. Training is occupation-specific rather than job-specific; skills learned can be transferred to another job in the same occupation. Occupations are assigned one of the following six training categories:

- 1) Internship/Residency:** An internship or residency is training that involves preparation in a field such as medicine or teaching, generally under supervision in a professional setting, such as a hospital or classroom. This type of training may occur before one is employed. Completion of an internship or residency program is commonly required for state licensure or certification in fields including medicine, counseling, architecture, and teaching. This category does not include internships that are suggested for advancement. Examples of occupations in the internship/residency category include physicians and surgeons and marriage and family therapists.
- 2) Apprenticeship:** An apprenticeship is a formal relationship between a worker and sponsor that consists of a combination of on-the-job training and related occupation-specific technical instruction in which the worker learns the practical and theoretical aspects of an occupation. Apprenticeship programs are sponsored by individual employers, joint employer-and-labor groups, and employer associations. The typical apprenticeship program provides at least 144 hours of occupation-specific technical instruction and 2,000 hours of on-the-job training per year over a 3-to-5 year period. Examples of occupations in the apprenticeship category include electricians and structural iron and steel workers.
- 3) Long-Term On-The-Job Training:** More than 12 months of on-the-job training or, alternatively, combined work experience and formal classroom instruction, are needed for workers to develop the skills to attain competency. Training is occupation specific rather than job specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Such programs include those offered by fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—nuclear power reactor operators, for example—trainees take formal courses, often provided at the jobsite, to prepare for the required licensing exams. This category excludes apprenticeships. Examples of occupations in the long-term on-the-job training category include opticians and automotive service technicians and mechanics.
- 4) Moderate-Term On-The-Job Training:** Skills needed for a worker to attain competency in an occupation that can be acquired during 1 to 12 months of combined on-the-job experience and informal training. Training is occupation-specific rather than job-specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer-sponsored training programs. Examples of occupations in the moderate-term category include school bus drivers and advertising sales agents.
- 5) Short-Term On-The-Job Training:** Skills needed for a worker to attain competency in an occupation that can be acquired during 1 month or less of on-the-job experience and informal training. Training is occupation-specific rather than job specific; therefore, skills learned can be transferred to another job in the same occupation. This on-the-job training category also includes employer sponsored training programs. Examples of occupations in the short-term category include retail salespersons and maids and housekeeping cleaners.
- 6) None:** There is no additional occupation-specific training or preparation typically required to attain competency in the occupation. Examples of occupations that do not require occupation-specific on-the-job training include geographers and pharmacists.