

Occupational Outlook for the Louisville Region

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Definitions and Data Sources

Definitions

Job Openings

Estimated employment change and turnover for an occupation over the next ten years. Job openings are comprised of both job growth and replacement needs.

Replacement Jobs

Jobs needs arising from workers permanently leaving an occupation through retirement, death, or changing careers.

Job Growth

Job needs arising from economic growth and increased demand. If job growth is negative, all job openings are due to replacement needs.

% Total Job Change

Reflects the projected job growth in the next ten years, showing occupations with heightened demand over time. Does not reflect replacement needs.

Data Sources

Emsi Analyst, Q3 2019

- Total Jobs
- Total Job Openings
- Replacement Jobs
- Job Growth
- % Total Job Change
- Median Earnings
- Typical Entry Level Education

Burning Glass Labor Insights

- Number of job postings
- Employers with the most job postings

O*NET

- Career cluster and career pathway framework

This report reflects the 12-county Louisville Metropolitan Statistical Area (MSA), covering seven counties in Kentucky and five counties in Indiana.

Architecture and Construction

Design and Pre-Construction Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Civil Engineers	1,315	1,084	984	100	8%	10%	\$38.92	\$80,960	Bachelor's degree
Cost Estimators	869	902	860	42	5%	10%	\$32.81	\$68,239	Bachelor's degree
Architects, Except Landscape and Naval	514	450	386	64	12%	5%	\$31.08	\$64,644	Bachelor's degree
Architectural and Civil Drafters	375	391	340	51	14%	8%	\$24.86	\$51,704	Associate's degree
Surveying and Mapping Technicians	237	289	262	27	11%	10%	\$18.69	\$38,869	High school diploma
Civil Engineering Technicians	296	272	261	11	4%	8%	\$21.53	\$44,776	Associate's degree
Interior Designers	170	171	162	9	5%	6%	\$19.59	\$40,739	Bachelor's degree
Surveyors	147	139	113	26	18%	10%	\$27.54	\$57,274	Bachelor's degree
Landscape Architects	44	43	34	9	20%	6%	\$33.01	\$68,651	Bachelor's degree

204 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- United States Army
- Lockett & Farley
- Stantec, Inc.
- Tetra Tech
- Aei American Engineers, Inc.
- Kelley Construction Incorporated

Architecture and Construction

Construction Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Electricians	3,609	4,520	4,165	355	10%	9%	\$27.86	\$57,943	High school diploma
Construction Laborers	3,860	4,225	4,022	203	5%	14%	\$17.44	\$36,270	No formal educational credential
Plumbers, Pipefitters, and Steamfitters	2,641	3,120	2,867	253	10%	15%	\$27.20	\$56,570	High school diploma
Carpenters	2,647	2,568	2,450	118	4%	9%	\$24.63	\$51,224	High school diploma
First-Line Supervisors of Construction Trades and Extraction Workers	2,376	2,488	2,338	150	6%	13%	\$29.72	\$61,816	High school diploma
Operating Engineers and Other Construction Equipment Operators	1,132	1,316	1,270	46	4%	12%	\$20.72	\$43,088	High school diploma
Cement Masons and Concrete Finishers	646	770	720	50	8%	12%	\$18.26	\$37,975	No formal educational credential
Painters, Construction and Maintenance	786	662	725	-63	-8%	6%	\$18.56	\$38,598	No formal educational credential
Construction Managers	698	599	503	96	14%	13%	\$38.57	\$80,230	Bachelor's degree
Helpers--Roofers	409	567	580	-13	-3%	9%	\$16.15	\$33,596	No formal educational credential
Roofers	539	563	545	18	3%	12%	\$21.46	\$44,644	No formal educational credential

628 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Kelley Construction Incorporated
- Louisville Paving and Construction
- Messer Construction Company
- Star Construction
- Fischer Homes
- East Westbrook Construction
- Tom Drexler Plumbing



Architecture and Construction

Maintenance & Operations Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Landscaping and Groundskeeping Workers	2,676	3,806	3,414	392	15%	11%	\$13.47	\$28,028	No formal educational credential
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,660	1,822	1,662	160	10%	14%	\$20.86	\$43,398	Postsecondary nondegree award
Millwrights	548	624	530	94	17%	10%	\$26.63	\$55,400	High school diploma
Helpers--Installation, Maintenance, and Repair Workers	370	504	477	27	7%	11%	\$22.84	\$47,504	High school diploma
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	433	487	432	55	13%	11%	\$23.43	\$48,731	High school diploma
Electrical Power-Line Installers and Repairers	539	416	467	-51	-9%	13%	\$32.54	\$67,686	High school diploma
Septic Tank Servicers and Sewer Pipe Cleaners	251	350	328	22	9%	14%	\$21.93	\$45,608	High school diploma
Highway Maintenance Workers	335	341	343	-2	-1%	5%	\$16.09	\$33,474	High school diploma
Elevator Installers and Repairers	138	269	200	69	50%	12%	\$36.93	\$76,824	High school diploma

**342 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- Pike Electric
- Brightview
- Facilities Management Services
- University of Louisville
- Tom Drexler Plumbing
- A&E Factory Services

Arts and Communication

Journalism and Broadcasting Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Editors	358	344	358	-14	-4%	0%	\$19.60	\$40,767	Bachelor's degree
Audio and Video Equipment Technicians	248	258	235	23	9%	12%	\$13.45	\$27,972	Postsecondary nondegree award
Reporters and Correspondents	279	218	313	-95	-34%	-8%	\$23.61	\$49,100	Bachelor's degree
Technical Writers	133	154	133	21	16%	10%	\$30.37	\$63,160	Bachelor's degree
Broadcast Technicians	158	141	157	-16	-10%	-1%	\$10.96	\$22,790	Associate's degree
Camera Operators, Television, Video, and Motion Picture	132	124	130	-6	-5%	5%	\$15.95	\$33,168	Bachelor's degree
Writers and Authors	124	116	109	7	6%	9%	\$24.54	\$51,041	Bachelor's degree
Photographers	141	92	142	-50	-35%	-31%	\$16.21	\$33,718	High school diploma
Sound Engineering Technicians	95	87	88	-1	-1%	6%	\$11.80	\$24,543	Postsecondary nondegree award
Film and Video Editors	65	68	65	3	5%	15%	\$12.63	\$26,262	Bachelor's degree
Media and Communication Equipment Workers, All Other	69	64	65	-1	-1%	2%	\$13.72	\$28,539	High school diploma
Media and Communication Workers, All Other	64	63	60	3	5%	7%	\$14.85	\$30,893	High school diploma
Radio and Television Announcers	72	59	84	-25	-35%	-16%	\$21.46	\$44,639	Bachelor's degree

Employers with the Most Job Postings

180 Job Postings
in the Second
Quarter of 2019

- Tegna
- Kalo
- Lifetouch
- Gannett Company Inc
- Hearst Television
- Charter Communications
- Bella Baby Photography
- Amatrol Inc
- Tribune Company
- Raycom Media Inc

Arts and Communication

Visual and Performing Arts

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Graphic Designers	792	748	746	2	0%	5%	\$20.15	\$41,914	Bachelor's degree
Musicians and Singers	616	712	626	86	14%	8%	\$22.92	\$47,679	No formal credential
Music Directors and Composers	263	303	267	36	14%	9%	\$23.41	\$48,692	Bachelor's degree
Producers and Directors	315	303	284	19	6%	12%	\$26.42	\$54,945	Bachelor's degree
Floral Designers	234	225	223	2	1%	-7%	\$14.60	\$30,377	High school diploma
Commercial and Industrial Designers	222	216	212	4	2%	4%	\$26.59	\$55,315	Bachelor's degree
Actors	182	197	185	12	7%	11%	\$15.79	\$32,842	Some college, no degree
Dancers	84	112	115	-3	-4%	3%	\$10.13	\$21,076	No formal credential
Art Directors	118	105	96	9	8%	7%	\$37.27	\$77,527	Bachelor's degree
Entertainers and Performers, Sports and Related Workers, All Other	71	78	77	1	1%	9%	\$17.56	\$36,533	No formal credential
Multimedia Artists and Animators	69	66	58	8	12%	11%	\$21.11	\$43,907	Bachelor's degree
Designers, All Other	43	41	40	1	2%	5%	\$22.89	\$47,614	Bachelor's degree
Fashion Designers	33	33	32	1	3%	1%	\$23.30	\$48,474	Bachelor's degree

147 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Scoppechio
- Actors Theatre of Louisville
- Lockett & Farley
- Edible Arrangements
- Churchill Downs
- Fastsigns
- Gannett Company Inc
- Texas Roadhouse
- Kentucky Center for the Arts
- Oak Island Creative



Business

Administrative Support Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Customer Service Representatives	16,211	21,557	20,943	614	4%	6%	\$15.38	\$31,995	High school diploma
Office Clerks, General	13,997	16,468	16,602	-134	-1%	2%	\$12.80	\$26,629	High school diploma
Stock Clerks and Order Fillers	10,094	13,813	13,212	601	6%	5%	\$12.52	\$26,049	High school diploma
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	8,826	9,264	9,651	-387	-4%	-2%	\$17.06	\$35,489	High school diploma
Receptionists and Information Clerks	6,159	8,521	8,183	338	5%	10%	\$13.25	\$27,569	High school diploma
Bookkeeping, Accounting, and Auditing Clerks	6,803	7,582	7,669	-87	-1%	1%	\$18.46	\$38,394	Some college, no degree
First-Line Supervisors of Office and Administrative Support Workers	7,146	7,405	7,118	287	4%	5%	\$24.94	\$51,867	High school diploma
Shipping, Receiving, and Traffic Clerks	3,619	3,932	3,771	161	4%	3%	\$16.39	\$34,100	High school diploma
Executive Secretaries and Executive Administrative Assistants	1,886	1,902	2,105	-203	-11%	-11%	\$25.02	\$52,045	High school diploma
Office and Administrative Support Workers, All Other	1,376	1,568	1,507	61	4%	10%	\$15.23	\$31,672	High school diploma
Interviewers, Except Eligibility and Loan	1,015	1,281	1,223	58	6%	7%	\$15.91	\$33,094	High school diploma
Order Clerks	1,066	1,201	1,222	-21	-2%	2%	\$10.37	\$21,562	High school diploma
Information and Record Clerks, All Other	881	1,044	1,006	38	4%	8%	\$17.06	\$35,474	High school diploma
Postal Service Mail Carriers	1,258	804	932	-128	-10%	-10%	\$25.65	\$53,360	High school diploma
Human Resources Assistants, Except Payroll and Timekeeping	590	659	659	0	0%	1%	\$19.66	\$40,894	Associate's degree

**3,206 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- University of Louisville
- Tenet Health Systems
- Anthem Blue Cross
- UPS
- Norton Healthcare
- McKesson Corporation
- Humana
- ADP



Business

Business Management Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
General and Operations Managers	10,431	9,369	8,671	698	7%	10%	\$37.73	\$78,470	Bachelor's degree
Business Operations Specialists, All Other	3,705	3,814	3,467	347	9%	9%	\$31.44	\$65,393	Bachelor's degree
Human Resources Specialists	2,579	2,699	2,539	160	6%	8%	\$25.84	\$53,755	Bachelor's degree
Management Analysts	1,975	2,006	1,767	239	12%	12%	\$34.53	\$71,813	Bachelor's degree
Training and Development Specialists	1,459	1,601	1,461	140	10%	11%	\$25.29	\$52,602	Bachelor's degree
Computer and Information Systems Managers	1,545	1,348	1,181	167	11%	11%	\$61.57	\$128,071	Bachelor's degree
Managers, All Other	1,474	1,224	1,074	150	10%	8%	\$47.89	\$99,615	Bachelor's degree
Administrative Services Managers	1,207	1,101	998	103	9%	9%	\$35.24	\$73,304	Bachelor's degree
Chief Executives	1,225	839	922	-83	-7%	-3%	\$61.30	\$127,505	Bachelor's degree
Industrial Production Managers	982	749	713	36	4%	2%	\$46.54	\$96,794	Bachelor's degree
Human Resources Managers	666	607	547	60	9%	8%	\$48.07	\$99,978	Bachelor's degree
Labor Relations Specialists	679	603	700	-97	-14%	-6%	\$27.23	\$56,641	Bachelor's degree
Meeting, Convention, and Event Planners	399	498	469	29	7%	10%	\$16.40	\$34,104	Bachelor's degree
Operations Research Analysts	526	466	343	123	23%	23%	\$35.07	\$72,944	Bachelor's degree
Compensation, Benefits, and Job Analysis Specialists	316	334	277	57	18%	9%	\$24.10	\$50,127	Bachelor's degree
Fundraisers	288	333	298	35	12%	14%	\$22.35	\$46,480	Bachelor's degree
Purchasing Managers	316	276	257	19	6%	5%	\$58.12	\$120,895	Bachelor's degree
Training and Development Managers	199	205	183	22	11%	7%	\$50.12	\$104,239	Bachelor's degree
Compensation and Benefits Managers	42	37	31	6	14%	5%	\$45.99	\$95,661	Bachelor's degree

2,572 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Anthem Blue Cross
- Humana
- University of Louisville
- General Electric
- McKesson Corporation
- Norton Healthcare
- Rescare
- Churchill Downs



Education

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Teacher Assistants	3,949	4,376	4,133	243	6%	8%	\$14.54	\$30,234	Some college
Elementary School Teachers, Except Special Education	4,854	3,846	3,548	298	6%	7%	\$26.83	\$55,806	Bachelor's degree
Postsecondary Teachers	3,451	2,997	2,704	293	8%	11%	\$39.02	\$81,152	Doctoral degree
Secondary School Teachers, Except Special and Career/Technical Education	3,385	2,640	2,417	223	7%	7%	\$28.07	\$58,379	Bachelor's degree
Substitute Teachers	1,870	2,205	2,092	113	6%	7%	\$11.27	\$23,442	Bachelor's degree
Preschool Teachers, Except Special Education	2,041	2,158	2,031	127	6%	10%	\$10.19	\$21,192	Associate's degree
Teachers and Instructors, All Other	1,475	1,732	1,645	87	6%	12%	\$22.61	\$47,035	Bachelor's degree
Middle School Teachers, Except Special and Career/Technical Education	2,050	1,623	1,504	119	6%	7%	\$27.33	\$56,856	Bachelor's degree
Coaches and Scouts	844	1,193	1,144	49	6%	13%	\$13.50	\$28,071	Bachelor's degree
Self-Enrichment Education Teachers	638	857	749	108	17%	15%	\$13.02	\$27,078	High school diploma
Kindergarten Teachers, Except Special Education	547	569	543	26	5%	8%	\$26.79	\$55,716	Bachelor's degree
Special Education Teachers, Kindergarten and Elementary School	653	520	477	43	7%	7%	\$26.06	\$54,207	Bachelor's degree
Education, Training, and Library Workers, All Other	533	494	478	16	3%	9%	\$19.02	\$39,553	Bachelor's degree
Special Education Teachers, Secondary School	457	364	335	29	6%	7%	\$25.39	\$52,817	Bachelor's degree
Special Education Teachers, Middle School	296	236	216	20	7%	7%	\$26.07	\$54,229	Bachelor's degree
Special Education Teachers, All Other	280	215	203	12	4%	8%	\$26.85	\$55,848	Bachelor's degree
Career/Technical Education Teachers, Secondary School	243	185	171	14	6%	5%	\$28.91	\$60,126	Bachelor's degree

**886 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- JCPS
- Christian Academy
- Varsity Tutors
- KCTCS
- University of Louisville
- Bellarmine



Finance

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Insurance Sales Agents	4,608	5,166	4,629	537	12%	9%	\$24.65	\$51,280	High school diploma
Accountants and Auditors	4,640	4,443	4,172	271	6%	10%	\$30.66	\$63,771	Bachelor's degree
Insurance Claims and Policy Processing Clerks	2,341	2,809	2,485	324	14%	12%	\$16.40	\$34,109	High school diploma
Financial Managers	2,636	2,410	2,042	368	14%	16%	\$53.04	\$110,314	Bachelor's degree
Claims Adjusters, Examiners, and Investigators	2,508	2,249	2,112	137	5%	1%	\$23.61	\$49,116	High school diploma
Tellers	1,650	1,859	1,996	-137	-8%	-1%	\$14.54	\$30,251	High school diploma
Securities, Commodities, and Financial Services Sales Agents	1,302	1,431	1,276	155	12%	9%	\$29.91	\$62,208	Bachelor's degree
Loan Officers	1,575	1,407	1,303	104	7%	9%	\$29.37	\$61,085	Bachelor's degree
Bill and Account Collectors	1,015	1,120	1,078	42	4%	3%	\$17.10	\$35,564	High school diploma
Loan Interviewers and Clerks	897	1,025	902	123	14%	10%	\$18.05	\$37,547	High school diploma
Financial Analysts	1,025	1,025	905	120	12%	9%	\$31.49	\$65,493	Bachelor's degree
Personal Financial Advisors	948	975	781	194	20%	12%	\$32.45	\$67,500	Bachelor's degree
Tax Preparers	540	543	589	-46	-9%	10%	\$17.68	\$36,773	High school diploma

**1,438 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- Humana
- Anthem Blue Cross
- PNC Financial Services Group
- Republic Bancorp
- State Farm Insurance
- US Bancorp
- Stock Yards Bank
- JPMorgan Chase
- Jackson Hewitt
- H&R Block

Health Science

Therapeutic Services Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Registered Nurses	16,127	10,340	8,535	1,805	11%	13%	\$31.25	\$64,990	Bachelor's degree
Nursing Assistants	6,711	7,915	7,622	293	4%	10%	\$13.03	\$27,111	Postsecondary nondegree award
Medical Assistants	3,114	4,423	3,669	754	24%	23%	\$16.66	\$34,652	Postsecondary nondegree award
Pharmacy Technicians	2,433	2,760	2,129	631	26%	10%	\$13.60	\$28,291	High school diploma
Licensed Practical and Licensed Vocational Nurses	3,172	2,442	2,280	162	5%	11%	\$20.49	\$42,617	Postsecondary nondegree award
Home Health Aides	1,267	2,217	1,699	518	41%	39%	\$10.30	\$21,418	High school diploma
Dental Assistants	1,708	2,211	1,974	237	14%	17%	\$19.11	\$39,748	Postsecondary nondegree award
Pharmacists	1,629	1,080	759	321	20%	6%	\$63.72	\$132,544	Doctoral degree
Physical Therapist Assistants	493	675	616	59	12%	25%	\$29.01	\$60,348	Associate's degree
Nurse Practitioners	784	668	433	235	30%	29%	\$48.92	\$101,760	Master's degree
Dental Hygienists	730	588	467	121	17%	17%	\$28.58	\$59,439	Associate's degree
Respiratory Therapists	796	558	403	155	19%	19%	\$24.57	\$51,101	Associate's degree
Psychiatric Technicians	581	550	479	71	12%	6%	\$13.76	\$28,623	Postsecondary nondegree award
Surgical Technologists	601	543	486	57	9%	11%	\$22.61	\$47,037	Postsecondary nondegree award
Physicians and Surgeons, All Other	1,002	525	293	232	23%	12%	\$80.11	\$166,638	Doctoral degree
Physical Therapists	817	478	352	126	15%	22%	\$39.18	\$81,487	Doctoral degree

**3,797 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- KentuckyOne Health
- Norton Healthcare
- University of Louisville
- Catholic Health Initiatives
- Baptist Health
- Clark Memorial Hospital
- Trilogy Health Services
- Anthem Blue Cross



Health Science

Diagnostic Services Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Clinical Laboratory Technologists and Technicians	1,149	934	758	176	15%	12%	\$22.88	\$47,591	Associate's degree
Radiologic Technologists	1,086	709	588	121	11%	11%	\$24.37	\$50,683	Associate's degree
Health Technologists and Technicians, All Other	769	563	492	71	9%	17%	\$21.48	\$44,686	Postsecondary nondegree award
Veterinary Technologists and Technicians	316	341	274	67	21%	17%	\$13.42	\$27,919	Associate's degree
Diagnostic Medical Sonographers	274	217	156	61	22%	19%	\$29.54	\$61,450	Associate's degree
Cardiovascular Technologists and Technicians	301	192	161	31	10%	10%	\$26.65	\$55,440	Associate's degree
Magnetic Resonance Imaging Technologists	129	97	72	25	19%	12%	\$31.75	\$66,033	Associate's degree
Nuclear Medicine Technologists	94	61	51	10	11%	9%	\$33.50	\$69,689	Associate's degree
Epidemiologists	13	12	11	1	8%	9%	\$21.14	\$43,964	Master's degree

665 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- KentuckyOne Health
- Norton Healthcare
- University of Louisville
- Catholic Health Initiatives
- Baptist Health
- Clark Memorial Hospital
- Dept. of Veterans Affairs

Health Science

Health Informatics & Support Services Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Medical Secretaries	2,220	3,055	2,600	455	20%	19%	\$17.03	\$35,415	High school diploma
Medical and Health Services Managers	1,475	1,520	1,233	287	19%	17%	\$38.04	\$79,130	Bachelor's degree
Veterinary Assistants and Laboratory Animal Caretakers	707	1,241	1,147	94	13%	17%	\$11.97	\$24,892	High school diploma
Phlebotomists	746	916	810	106	14%	20%	\$15.47	\$32,185	Postsecondary nondegree award
Medical Records and Health Information Technicians	1,176	869	735	134	11%	13%	\$17.33	\$36,048	Postsecondary nondegree award
Healthcare Support Workers, All Other	309	432	398	34	11%	11%	\$20.49	\$42,620	High school diploma
Medical Transcriptionists	258	354	325	29	11%	4%	\$18.25	\$37,950	Postsecondary nondegree award
Medical Equipment Preparers	230	326	299	27	12%	10%	\$16.40	\$34,116	High school diploma
Orderlies	256	320	298	22	9%	6%	\$10.31	\$21,445	High school diploma
Pharmacy Aides	46	116	84	32	70%	-2%	\$11.74	\$24,424	High school diploma

1,415 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Norton Healthcare
- University of Louisville
- Baptist Health
- Anthem Blue Cross
- Humana
- Catholic Health Initiatives
- KentuckyOne Health
- Trilogy Health Services

Hospitality and Tourism

Lodging Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	9,308	13,565	12,585	980	11%	10%	\$11.72	\$24,387	No formal educational credential
Maids and Housekeeping Cleaners	3,587	5,076	4,849	227	6%	7%	\$10.51	\$21,859	No formal educational credential
Hotel, Motel, and Resort Desk Clerks	1,169	1,905	1,855	50	4%	5%	\$9.16	\$19,062	High school diploma
First-Line Supervisors of Housekeeping and Janitorial Workers	860	1,065	996	69	8%	9%	\$19.01	\$39,540	High school diploma
Lodging Managers	140	155	145	10	7%	5%	\$22.03	\$45,815	High school diploma
Concierges	98	152	141	11	11%	11%	\$11.64	\$24,204	High school diploma
Baggage Porters and Bellhops	90	149	135	14	16%	8%	\$10.69	\$22,241	High school diploma
Building Cleaning Workers, All Other	37	63	55	8	22%	10%	\$8.60	\$17,896	No formal educational credential

1,238 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Omni Hotel
- Hilton Hotel
- Facilities Management Services
- Fairfield Inn
- Holiday Inn
- Caesar's Entertainment
- Marriott International

Hospitality and Tourism

Restaurants & Food/Beverage Services Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Combined Food Preparation and Serving Workers, Including Fast Food	19,859	39,563	37,756	1,807	9%	15%	\$9.17	\$19,069	No formal credential
Waiters and Waitresses	10,962	20,987	20,811	176	2%	7%	\$9.42	\$19,604	No formal credential
Cooks, Restaurant	7,653	11,325	10,945	380	5%	11%	\$11.75	\$24,437	No formal credential
First-Line Supervisors of Food Preparation and Serving Workers	4,675	6,927	6,725	202	4%	9%	\$14.74	\$30,665	High school diploma
Food Preparation Workers	3,215	5,567	5,480	87	3%	8%	\$10.42	\$21,680	No formal credential
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,766	4,067	4,035	32	2%	7%	\$9.28	\$19,294	No formal credential
Bartenders	2,197	3,582	3,630	-48	-2%	4%	\$9.45	\$19,650	No formal credential
Cooks, Institution and Cafeteria	2,257	3,143	3,167	-24	-1%	8%	\$13.72	\$28,545	No formal credential
Dining Room and Cafeteria Attendants and Bartender Helpers	1,256	2,199	2,158	41	3%	8%	\$8.87	\$18,441	No formal credential
Dishwashers	1,393	2,186	2,184	2	0%	6%	\$9.78	\$20,345	No formal credential
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	929	2,103	2,064	39	4%	6%	\$9.54	\$19,849	No formal credential
Cooks, Fast Food	1,160	1,637	1,664	-27	-2%	-1%	\$9.73	\$20,233	No formal credential
Food Service Managers	874	997	950	47	5%	10%	\$24.52	\$50,993	High school diploma
Food Servers, Nonrestaurant	528	915	837	78	15%	10%	\$9.74	\$20,256	No formal credential
Bakers	384	588	559	29	8%	6%	\$12.59	\$26,197	No formal credential
Chefs and Head Cooks	386	494	486	8	2%	10%	\$23.87	\$49,650	High school diploma

2,971 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Omni Hotel
- Starbucks Coffee
- Aramark
- Sodexo
- Atria Senior Living
- 21C Museum Hotels
- Galt House Hotel
- Texas Roadhouse
- Levy
- Hyatt



Hospitality and Tourism

Recreation, Amusements & Attractions Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Amusement and Recreation Attendants	2,289	5,462	5,322	140	6%	10%	\$9.20	\$19,134	No formal credential
Ushers, Lobby Attendants, and Ticket Takers	631	1,536	1,546	-10	-2%	9%	\$9.64	\$20,047	No formal credential
Recreation Workers	809	1,463	1,395	68	8%	9%	\$17.97	\$37,381	High school diploma
Tour and Travel Guides	142	301	271	30	21%	11%	\$10.60	\$22,039	High school diploma
Gaming Dealers	252	341	384	-43	-17%	6%	\$10.07	\$20,949	High school diploma
Animal Trainers	206	243	235	8	4%	16%	\$25.82	\$53,699	High school diploma
First-Line Supervisors of Gaming Workers	123	154	200	-46	-37%	6%	\$20.58	\$42,816	High school diploma
Gaming Change Persons and Booth Cashiers	94	149	176	-27	-29%	5%	\$17.88	\$37,198	No formal credential
Gaming Cage Workers	79	99	130	-31	-39%	4%	\$8.91	\$18,529	High school diploma
Gaming and Sports Book Writers and Runners	48	93	82	11	23%	4%	\$18.33	\$38,120	High school diploma
Umpires, Referees, and Other Sports Officials	23	36	33	3	13%	7%	\$30.85	\$64,167	High school diploma

**133 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- YMCA
- Cinemark
- Trilogy Health Services
- Omni Hotel
- Horseshoe Southern Indiana
- Derby City Gaming
- Caesar's Entertainment
- Churchill Downs

Information Technology

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Software Developers, Applications	3,650	3,425	2,581	844	23%	25%	\$39.35	\$81,851	Bachelor's degree
Computer User Support Specialists	2,874	2,440	2,176	264	9%	11%	\$21.39	\$44,496	Some college, no degree
Computer Systems Analysts	2,226	1,693	1,479	214	10%	9%	\$35.53	\$73,904	Bachelor's degree
Computer Occupations, All Other	1,333	1,083	934	149	11%	10%	\$37.18	\$77,329	Bachelor's degree
Software Developers, Systems Software	1,198	999	819	180	15%	10%	\$41.36	\$86,020	Bachelor's degree
Network and Computer Systems Administrators	1,288	941	827	114	9%	7%	\$32.15	\$66,863	Bachelor's degree
Computer Network Support Specialists	798	689	607	82	10%	8%	\$27.89	\$58,016	Associate's degree
Web Developers	620	511	452	59	10%	13%	\$33.38	\$69,431	Associate's degree
Computer Programmers	699	445	454	-9	-1%	-4%	\$35.96	\$74,801	Bachelor's degree
Computer Network Architects	573	445	383	62	11%	7%	\$40.04	\$83,282	Bachelor's degree
Database Administrators	590	439	390	49	8%	10%	\$41.33	\$85,970	Bachelor's degree
Information Security Analysts	441	428	326	102	23%	22%	\$38.64	\$80,366	Bachelor's degree

**2,735 Job Postings
in the Second
Quarter of 2019**

Employers with the Most Job Postings

- Anthem Blue Cross
- Humana
- UPS
- Baptist Health
- General Electric
- Prosoft Ky
- Cynet Systems
- University of Louisville
- Appriss

Manufacturing

Manufacturing Production Process Development Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Electrical and Electronics Engineering Technicians	413	386	366	20	5%	4%	\$29.17	\$60,681	Associate's degree
Mechanical Drafters	382	353	334	19	5%	5%	\$23.99	\$49,902	Associate's degree
Industrial Engineering Technicians	241	250	221	29	12%	2%	\$21.89	\$45,538	Associate's degree
Mechanical Engineering Technicians	254	243	227	16	6%	5%	\$25.00	\$51,993	Associate's degree
Engineering Technicians, Except Drafters, All Other	220	210	195	15	7%	5%	\$29.83	\$62,043	Associate's degree
Chemical Technicians	208	193	204	-11	-5%	5%	\$23.42	\$48,705	Associate's degree
Electrical and Electronics Drafters	161	156	143	13	8%	7%	\$25.41	\$52,852	Associate's degree
Drafters, All Other	112	100	96	4	4%	6%	\$28.24	\$58,737	Associate's degree
Nuclear Technicians	57	62	69	-7	-12%	0%	\$50.10	\$104,199	Associate's degree
Electro-Mechanical Technicians	45	45	41	4	9%	3%	\$23.85	\$49,599	Associate's degree

402 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- BAE Systems
- Rainbow Design Services
- Snyder's-Lance
- Tenneco
- General Electric
- Amatrol
- Krauth Electric Company

Manufacturing

Production Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Assemblers and Fabricators, All Other, Including Team Assemblers	20,231	23,414	24,178	-764	-4%	-7%	\$16.80	\$34,953	High school diploma
First-Line Supervisors of Production and Operating Workers	3,536	3,652	3,534	118	3%	3%	\$28.68	\$59,652	High school diploma
Helpers--Production Workers	1,856	3,081	2,921	160	9%	11%	\$13.16	\$27,366	High school diploma
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,476	2,846	2,870	-24	-1%	-4%	\$20.18	\$41,984	High school diploma
Welders, Cutters, Solderers, and Brazers	2,196	2,457	2,403	54	2%	6%	\$19.41	\$40,379	High school diploma
Production Workers, All Other	1,731	2,089	2,010	79	5%	5%	\$13.17	\$27,400	High school diploma
Machinists	1,828	1,985	1,910	75	4%	3%	\$19.08	\$39,677	High school diploma
Packaging and Filling Machine Operators and Tenders	1,533	1,830	1,821	9	1%	4%	\$15.93	\$33,136	High school diploma
Machine Feeders and Offbearers	933	1,290	1,308	-18	-2%	2%	\$13.45	\$27,984	No formal credential
Food Batchmakers	808	1,153	1,147	6	1%	4%	\$13.36	\$27,788	High school diploma
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	981	1,149	1,155	-6	-1%	-8%	\$15.64	\$32,529	High school diploma

909 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Tenneco
- Voestalpine Roll Forming
- Hollander Sleep Products
- Paradise Tomato
- General Electric
- BAE Systems
- Harland Clarke
- Hoskin & Muir



Manufacturing

Maintenance, Installation, and Repair Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Maintenance and Repair Workers, General	6,637	6,965	6,601	364	5%	8%	\$18.65	\$38,801	High school diploma
First-Line Supervisors of Mechanics, Installers, and Repairers	2,341	2,119	2,023	96	4%	7%	\$29.76	\$61,894	High school diploma
Industrial Machinery Mechanics	2,128	2,055	1,900	155	7%	8%	\$25.18	\$52,371	High school diploma
Computer, Automated Teller, and Office Machine Repairers	1,412	1,328	1,429	-101	-7%	1%	\$17.90	\$37,231	Some college, no degree
Installation, Maintenance, and Repair Workers, All Other	938	955	909	46	5%	7%	\$19.24	\$40,024	High school diploma
Maintenance Workers, Machinery	452	520	480	40	9%	6%	\$23.06	\$47,959	High school diploma
Security and Fire Alarm Systems Installers	358	455	413	42	12%	13%	\$20.95	\$43,573	High school diploma
Electronic Home Entertainment Equipment Installers and Repairers	421	431	455	-24	-6%	0%	\$15.36	\$31,947	Postsecondary nondegree award
Medical Equipment Repairers	503	430	447	-17	-3%	7%	\$20.94	\$43,550	Associate's degree
Electrical and Electronics Repairers, Commercial and Industrial Equipment	376	338	333	5	1%	3%	\$27.33	\$56,853	Postsecondary nondegree award

994 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Tyson Foods
- Ford Motor Company
- Johnson Controls Inc
- UPS
- Siemens
- Kellogg Company
- Dr Pepper Snapple Group
- JBS USA

STEM

Engineering and Technology Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Mechanical Engineers	2,103	1,544	1,376	168	8%	8%	\$41.69	\$86,709	Bachelor's degree
Industrial Engineers	1,628	1,325	1,125	200	12%	10%	\$35.08	\$72,973	Bachelor's degree
Electrical Engineers	765	572	509	63	8%	9%	\$42.03	\$87,415	Bachelor's degree
Architectural and Engineering Managers	631	543	463	80	13%	7%	\$53.95	\$112,216	Bachelor's degree
Engineers, All Other	338	260	226	34	10%	6%	\$36.71	\$76,350	Bachelor's degree
Electronics Engineers, Except Computer	223	206	159	47	21%	3%	\$43.72	\$90,932	Bachelor's degree
Computer Hardware Engineers	126	100	85	15	12%	7%	\$31.59	\$65,711	Bachelor's degree
Chemical Engineers	132	85	91	-6	-5%	6%	\$45.96	\$95,587	Bachelor's degree
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	87	62	58	4	5%	8%	\$41.32	\$85,936	Bachelor's degree
Materials Engineers	57	46	42	4	7%	4%	\$33.06	\$68,759	Bachelor's degree
Nuclear Engineers	56	44	42	2	4%	4%	\$53.13	\$110,505	Bachelor's degree
Aerospace Engineers	53	41	33	8	15%	6%	\$53.34	\$110,953	Bachelor's degree

Employers with the Most Job Postings

501 Job Postings
in the Second
Quarter of 2019

- General Electric
- Humana
- BAE Systems
- UPS
- LG&E
- Anthem Blue Cross
- Raytheon
- Ford Motor Company
- Sandalwood Engineering & Ergonomics

STEM

Science and Mathematics Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Life, Physical, and Social Science Technicians, All Other	266	336	318	18	7%	9%	\$26.74	\$55,614	Associate's degree
Environmental Scientists and Specialists, Including Health	244	236	226	10	4%	10%	\$23.93	\$49,776	Bachelor's degree
Chemists	233	210	215	-5	-2%	6%	\$36.55	\$76,021	Bachelor's degree
Statisticians	152	163	125	38	25%	26%	\$39.34	\$81,829	Master's degree
Social Science Research Assistants	77	102	94	8	10%	4%	\$23.37	\$48,617	Bachelor's degree
Social Scientists and Related Workers, All Other	88	88	82	6	7%	5%	\$43.84	\$91,191	Bachelor's degree
Computer and Information Research Scientists	79	71	58	13	16%	16%	\$44.91	\$93,404	Master's degree
Biological Scientists, All Other	57	57	51	6	11%	9%	\$38.68	\$80,448	Bachelor's degree
Geoscientists, Except Hydrologists and Geographers	49	54	48	6	12%	11%	\$40.71	\$84,670	Bachelor's degree
Cartographers and Photogrammetrists	40	37	30	7	18%	15%	\$21.72	\$45,171	Bachelor's degree
Life Scientists, All Other	40	33	34	-1	-3%	6%	\$28.16	\$58,578	Bachelor's degree
Atmospheric and Space Scientists	42	33	31	2	5%	8%	\$68.40	\$142,263	Bachelor's degree
Physicists	35	31	28	3	9%	13%	\$104.95	\$218,292	Doctoral or professional degree

134 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Humana
- LifePoint Health
- Clark Memorial Hospital
- University of Louisville
- Eurofins Scientific
- Stantec
- Rawlings Group
- Anthem



Transportation, Distribution, and Logistics

Facility and Mobile Equipment Maintenance Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Automotive Service Technicians and Mechanics	2,920	2,802	2,751	51	2%	6%	\$16.65	\$34,622	Postsecondary nondegree award
Cleaners of Vehicles and Equipment	1,412	2,222	2,069	153	11%	11%	\$12.88	\$26,799	No formal credential
Bus and Truck Mechanics and Diesel Engine Specialists	1,317	1,283	1,204	79	6%	9%	\$21.18	\$44,057	High school diploma
Automotive and Watercraft Service Attendants	510	925	876	49	10%	10%	\$12.59	\$26,177	No formal credential
Aircraft Mechanics and Service Technicians	1,062	907	833	74	7%	4%	\$42.82	\$89,069	Postsecondary nondegree award
Mobile Heavy Equipment Mechanics, Except Engines	677	688	658	30	4%	7%	\$20.83	\$43,330	High school diploma
Automotive Body and Related Repairers	562	540	549	-9	-2%	9%	\$20.51	\$42,665	High school diploma
Tire Repairers and Changers	348	449	451	-2	-1%	2%	\$13.01	\$27,053	High school diploma
Rail-Track Laying and Maintenance Equipment Operators	137	135	139	-4	-3%	7%	\$18.77	\$39,042	High school diploma
Rail Car Repairers	122	129	122	7	6%	7%	\$21.54	\$44,803	High school diploma
Avionics Technicians	102	85	81	4	4%	4%	\$37.60	\$78,209	Associate's degree

596 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- Valvoline
- Firestone
- Jeff Wyler Automotive
- Chrysler
- Tire Discounters
- Chevrolet
- Honda
- Penske

Transportation, Distribution, and Logistics

Transportation Operations and Management Jobs

Career	Total Jobs (2019)	Projected Job Change (2019-2029)			% Total Job Change (2019-2029)		Median Earnings		Typical Entry Level Education
		Total Job Openings	Replacement Jobs	Job Growth	Louisville	United States	Hourly	Annual	
Laborers and Freight, Stock, and Material Movers, Hand	23,696	34,944	33,574	1370	6%	9%	\$14.87	\$30,936	No formal credential
Heavy and Tractor-Trailer Truck Drivers	8,786	10,075	9,603	472	5%	7%	\$22.62	\$47,042	Postsecondary nondegree award
Packers and Packagers, Hand	4,472	7,201	6,964	237	5%	6%	\$11.60	\$24,118	No formal credential
Light Truck or Delivery Services Drivers	5,963	6,962	6,559	403	7%	8%	\$16.76	\$34,866	High school diploma
Industrial Truck and Tractor Operators	5,433	6,813	6,388	425	8%	9%	\$15.55	\$32,344	No formal credential
First-line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	3,074	3,435	3,264	171	6%	9%	\$24.28	\$50,492	High school diploma
Bus Drivers, School or Special Client	2,315	2,882	2,811	71	3%	6%	\$19.49	\$40,546	High school diploma
Dispatchers, Except Police, Fire, and Ambulance	1,518	1,377	1,388	-11	-1%	3%	\$19.81	\$41,207	High school diploma
Bus Drivers, Transit and Intercity	771	996	956	40	5%	8%	\$18.94	\$39,393	High school diploma
Logisticians	901	939	888	51	6%	7%	\$34.52	\$71,808	Bachelor's degree
Airline Pilots, Copilots, and Flight Engineers	862	805	809	-4	0%	3%	\$38.66	\$80,409	Bachelor's degree
Sailors and Marine Oilers	795	800	1,029	-229	-29%	4%	\$26.43	\$54,980	No formal credential
Taxi Drivers and Chauffeurs	772	779	830	-51	-7%	-8%	\$11.30	\$23,510	No formal credential
Transportation, Storage, and Distribution Managers	903	762	711	51	6%	7%	\$44.72	\$93,025	High school diploma

4,177 Job Postings
in the Second
Quarter of 2019

Employers with the Most Job Postings

- UPS
- Coco-Cola Enterprises
- Nussbaum Transportation
- Averitt Express
- Maverick Transportation
- Ryder System Inc
- PGT Trucking
- Koch Trucking

