



**3 RIVERS WIB**  
THREE RIVERS WORKFORCE INVESTMENT BOARD

**Arts, Design, Entertainment,  
Sports, and Media Occupations  
in Allegheny County  
2015-2025**



## Arts, Design, Entertainment, Sports, and Media Occupations

### Regions

Code	Description
42003	Allegheny County, PA

### Timeframe

2015 - 2025

### Datarun

2016.1 – QCEW Employees



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Occupation Summary for Arts, Design, Entertainment, Sports, and Media Occupations

<b>8,283</b> Jobs (2015) 9% below National average	<b>2.2%</b> % Change (2015-2025) Nation: 9.7%	<b>\$22.55/hr</b> Median Hourly Earnings Nation: \$23.43/hr
--	---	---

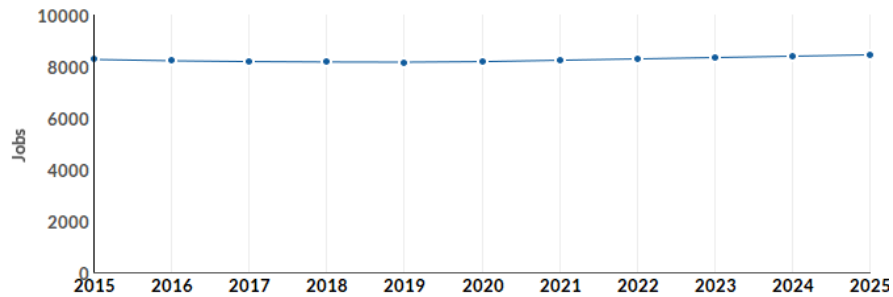


# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Growth

<b>8,283</b> 2015 Jobs	<b>8,463</b> 2025 Jobs	<b>180</b> Change (2015-2025)	<b>2.2%</b> % Change (2015-2025)
---------------------------	---------------------------	----------------------------------	-------------------------------------



Occupation	2015 Jobs	2025 Jobs	Change	% Change
Art Directors (27-1011)	138	142	4	3%
Craft Artists (27-1012)	13	14	1	8%
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	47	48	1	2%
Multimedia Artists and Animators (27-1014)	61	71	10	16%
Artists and Related Workers, All Other (27-1019)	27	29	2	7%
Commercial and Industrial Designers (27-1021)	99	109	10	10%
Fashion Designers (27-1022)	23	27	4	17%
Floral Designers (27-1023)	299	206	-93	-31%
Graphic Designers (27-1024)	1,135	1,143	8	1%
Interior Designers (27-1025)	231	244	13	6%
Merchandise Displayers and Window Trimmers (27-1026)	187	201	14	7%
Set and Exhibit Designers (27-1027)	54	59	5	9%



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

Occupation	2015 Jobs	2025 Jobs	Change	% Change
Designers, All Other (27-1029)	27	30	3	11%
Actors (27-2011)	192	214	22	11%
Producers and Directors (27-2012)	263	280	17	6%
Athletes and Sports Competitors (27-2021)	189	196	7	4%
Coaches and Scouts (27-2022)	750	812	62	8%
Umpires, Referees, and Other Sports Officials (27-2023)	81	83	2	2%
Dancers (27-2031)	32	28	-4	-13%
Choreographers (27-2032)	51	55	4	8%
Music Directors and Composers (27-2041)	136	124	-12	-9%
Musicians and Singers (27-2042)	317	287	-30	-9%
Entertainers and Performers, Sports and Related Workers, All Other (27-2099)	26	29	3	12%
Radio and Television Announcers (27-3011)	267	284	17	6%
Public Address System and Other Announcers (27-3012)	43	41	-2	-5%
Broadcast News Analysts (27-3021)	8	7	-1	-13%
Reporters and Correspondents (27-3022)	238	225	-13	-5%
Public Relations Specialists (27-3031)	1,262	1,302	40	3%
Editors (27-3041)	376	379	3	1%
Technical Writers (27-3042)	173	192	19	11%
Writers and Authors (27-3043)	239	242	3	1%



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

Occupation	2015 Jobs	2025 Jobs	Change	% Change
Interpreters and Translators (27-3091)	142	192	50	35%
Media and Communication Workers, All Other (27-3099)	40	48	8	20%
Audio and Video Equipment Technicians (27-4011)	370	412	42	11%
Broadcast Technicians (27-4012)	134	134	0	0%
Radio Operators (27-4013)	3	3	0	0%
Sound Engineering Technicians (27-4014)	102	104	2	2%
Photographers (27-4021)	274	216	-58	-21%
Camera Operators, Television, Video, and Motion Picture (27-4031)	131	133	2	2%
Film and Video Editors (27-4032)	62	71	9	15%
Media and Communication Equipment Workers, All Other (27-4099)	42	45	3	7%

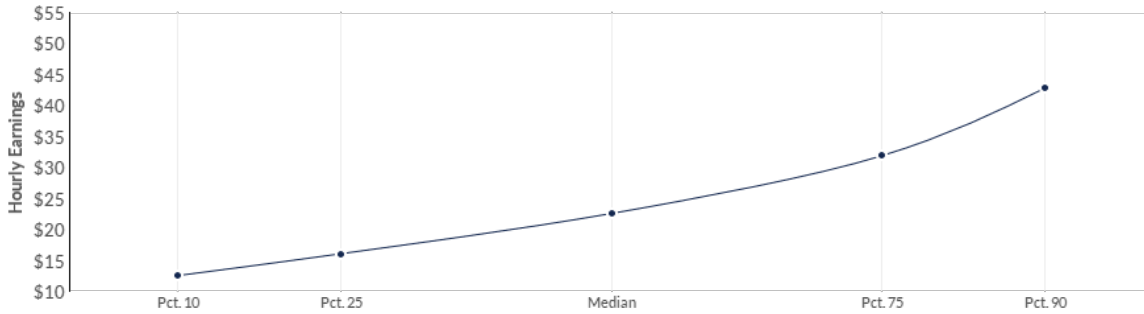


# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Percentile Earnings

<b>\$16.05/hr</b> 25th Percentile Earnings	<b>\$22.55/hr</b> Median Earnings	<b>\$31.88/hr</b> 75th Percentile Earnings
---	--------------------------------------	---



Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Art Directors (27-1011)	\$23.98	\$31.65	\$55.16
Craft Artists (27-1012)	\$14.26	\$17.82	\$24.33
Fine Artists, Including Painters, Sculptors, and Illustrators (27-1013)	\$11.52	\$15.71	\$23.70
Multimedia Artists and Animators (27-1014)	\$19.90	\$26.42	\$34.94
Artists and Related Workers, All Other (27-1019)	\$19.80	\$31.63	\$43.44
Commercial and Industrial Designers (27-1021)	\$19.30	\$24.49	\$37.51
Fashion Designers (27-1022)	\$22.26	\$27.04	\$37.37
Floral Designers (27-1023)	\$11.99	\$14.37	\$17.15
Graphic Designers (27-1024)	\$16.31	\$20.09	\$26.36
Interior Designers (27-1025)	\$11.60	\$17.21	\$26.98
Merchandise Displayers and Window Trimmers (27-1026)	\$10.51	\$13.53	\$21.11
Set and Exhibit Designers (27-1027)	\$20.46	\$22.30	\$24.16
Designers, All Other (27-1029)	\$37.69	\$37.69	\$37.69
Actors (27-2011)	\$15.55	\$17.50	\$19.00



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

Occupation	25th Percentile Earnings	Median Earnings	75th Percentile Earnings
Producers and Directors (27-2012)	\$17.71	\$25.42	\$33.94
Athletes and Sports Competitors (27-2021)	\$21.15	\$36.24	\$75.24
Coaches and Scouts (27-2022)	\$9.79	\$19.51	\$30.79
Umpires, Referees, and Other Sports Officials (27-2023)	\$11.34	\$12.64	\$21.65
Dancers (27-2031)	\$13.62	\$17.45	\$28.54
Choreographers (27-2032)	\$17.42	\$21.34	\$28.68
Music Directors and Composers (27-2041)	\$12.95	\$16.60	\$26.45
Musicians and Singers (27-2042)	\$13.64	\$43.12	\$58.01
Entertainers and Performers, Sports and Related Workers, All Other (27-2099)	\$11.55	\$16.50	\$27.67
Radio and Television Announcers (27-3011)	\$9.18	\$12.23	\$23.77
Public Address System and Other Announcers (27-3012)	\$11.99	\$14.96	\$38.47
Broadcast News Analysts (27-3021)	\$19.27	\$30.64	\$51.54
Reporters and Correspondents (27-3022)	\$15.68	\$19.87	\$25.61
Public Relations Specialists (27-3031)	\$19.60	\$25.87	\$36.76
Editors (27-3041)	\$20.60	\$25.99	\$32.00
Technical Writers (27-3042)	\$22.73	\$30.41	\$36.73
Writers and Authors (27-3043)	\$21.16	\$28.40	\$40.07
Interpreters and Translators (27-3091)	\$15.61	\$23.72	\$33.91
Media and Communication Workers, All Other (27-3099)	\$12.09	\$19.70	\$32.03
Audio and Video Equipment Technicians (27-4011)	\$15.23	\$23.15	\$33.55





# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

---

<b>Occupation</b>	<b>25th Percentile Earnings</b>	<b>Median Earnings</b>	<b>75th Percentile Earnings</b>
Broadcast Technicians (27-4012)	\$9.20	\$14.67	\$19.01
Radio Operators (27-4013)	\$17.17	\$23.98	\$29.56
Sound Engineering Technicians (27-4014)	\$18.01	\$21.88	\$30.39
Photographers (27-4021)	\$13.19	\$14.50	\$15.81
Camera Operators, Television, Video, and Motion Picture (27-4031)	\$14.95	\$20.37	\$22.95
Film and Video Editors (27-4032)	\$20.83	\$26.06	\$33.46
Media and Communication Equipment Workers, All Other (27-4099)	\$29.75	\$35.59	\$40.36

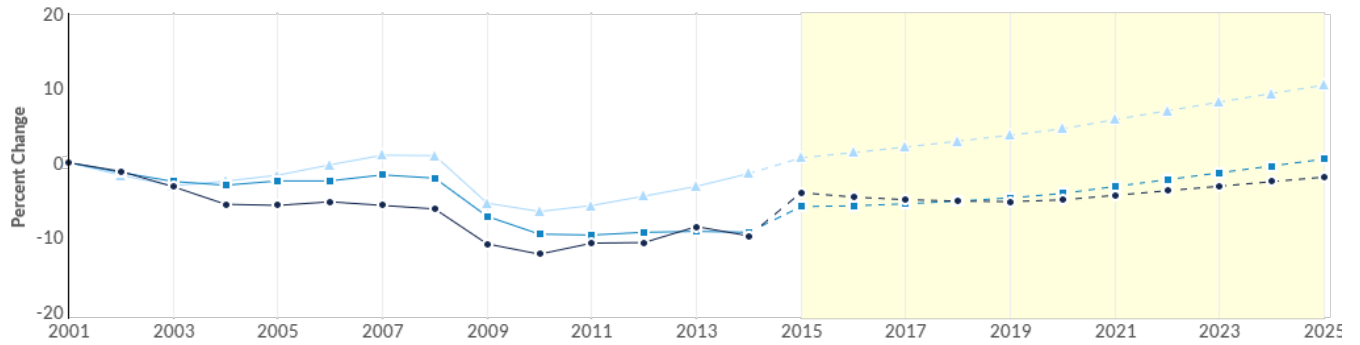
---



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Regional Trends



	Region	2015 Jobs	2025 Jobs	Change	% Change
●	Region	8,283	8,463	180	2.2%
●	State	62,239	66,459	4,220	6.8%
●	Nation	1,821,605	1,998,261	176,656	9.7%

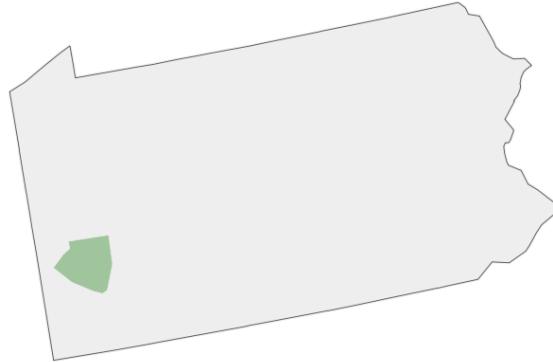


# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Regional Breakdown

---



\* Highlighted areas show counties that contain the selected zip codes

---

<b>ZIP</b>	<b>2025 Jobs</b>
Pittsburgh, PA 15222 (in Allegheny county)	1,401
Pittsburgh, PA 15238 (in Allegheny county)	622
Pittsburgh, PA 15219 (in Allegheny county)	586
Pittsburgh, PA 15213 (in Allegheny county)	516
Pittsburgh, PA 15212 (in Allegheny county)	446

---



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Job Postings Summary

**576**

Unique Postings (Mar 2016)

2,140 Total Postings

**4 : 1**

Posting Intensity (Mar 2016)

Regional Average: 7 : 1



There were **2,140** total job postings for 41 Occupations in March 2016, of which **576** were unique. These numbers give us a Posting Intensity of **4-to-1**, meaning that for every 4 postings there is 1 unique job posting. This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that companies may not be trying as hard to hire this position.

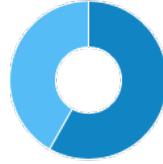


# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Occupation Gender Breakdown

---



---

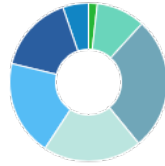
	Gender	2015 Jobs	2015 Percent	
•	Males	4,820	58.2%	
•	Females	3,463	41.8%	

---










## Occupation Age Breakdown

---



---

	Age	2015 Jobs	2015 Percent
●	14-18	150	1.8% 
●	19-24	828	10.0% 
●	25-34	2,258	27.3% 
●	35-44	1,674	20.2% 
●	45-54	1,615	19.5% 
●	55-64	1,322	16.0% 
●	65+	437	5.3% 

---

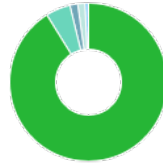


# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Occupation Race/Ethnicity Breakdown

---



---

	Race/Ethnicity	2015 Jobs	2015 Percent	
●	White	7,549	91.1%	
●	Black or African American	418	5.1%	
●	Asian	133	1.6%	
●	Hispanic or Latino	122	1.5%	
●	Two or More Races	52	0.6%	
●	American Indian or Alaska Native	7	0.1%	
●	Native Hawaiian or Other Pacific Islander	3	0.0%	

---



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Occupational Programs

<b>100</b> Programs (2014)	<b>3,805</b> Completions (2014)	<b>696</b> Openings (2014)
<b>CIP Code</b>	<b>Program</b>	<b>Completions (2014)</b>
50.0409	Graphic Design	584
11.0801	Web Page, Digital/Multimedia and Information Resources Design	337
23.1302	Creative Writing	244
50.0605	Photography	203
11.0803	Computer Graphics	198





# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Industries Employing Arts, Design, Entertainment, Sports, and Media Occupations

Industry	Occupation Group Jobs in Industry (2015)	% of Occupation Group in Industry (2015)	% of Total Jobs in Industry (2015)
Colleges, Universities, and Professional Schools	614	7.4%	2.6%
Television Broadcasting	516	6.2%	53.3%
Newspaper Publishers	388	4.7%	26.8%
Corporate, Subsidiary, and Regional Managing Offices	380	4.6%	1.4%
Motion Picture and Video Production	328	4.0%	52.0%



## Appendix A - Occupations

<b>Code</b>	<b>Description</b>
27-1011	Art Directors
27-1012	Craft Artists
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators
27-1014	Multimedia Artists and Animators
27-1019	Artists and Related Workers, All Other
27-1021	Commercial and Industrial Designers
27-1022	Fashion Designers
27-1023	Floral Designers
27-1024	Graphic Designers
27-1025	Interior Designers
27-1026	Merchandise Displayers and Window Trimmers
27-1027	Set and Exhibit Designers
27-1029	Designers, All Other
27-2011	Actors
27-2012	Producers and Directors
27-2021	Athletes and Sports Competitors
27-2022	Coaches and Scouts
27-2023	Umpires, Referees, and Other Sports Officials
27-2031	Dancers
27-2032	Choreographers
27-2041	Music Directors and Composers
27-2042	Musicians and Singers
27-2099	Entertainers and Performers, Sports and Related Workers, All Other
27-3011	Radio and Television Announcers
27-3012	Public Address System and Other Announcers
27-3021	Broadcast News Analysts



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

---

<b>Code</b>	<b>Description</b>
27-3022	Reporters and Correspondents
27-3031	Public Relations Specialists
27-3041	Editors
27-3042	Technical Writers
27-3043	Writers and Authors
27-3091	Interpreters and Translators
27-3099	Media and Communication Workers, All Other
27-4011	Audio and Video Equipment Technicians
27-4012	Broadcast Technicians
27-4013	Radio Operators
27-4014	Sound Engineering Technicians
27-4021	Photographers
27-4031	Camera Operators, Television, Video, and Motion Picture
27-4032	Film and Video Editors
27-4099	Media and Communication Equipment Workers, All Other

---



## Appendix B - Data Sources and Calculations

### Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

### Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

### Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

### Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

### Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.



# 3 RIVERS WIB

THREE RIVERS WORKFORCE INVESTMENT BOARD

## Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

## State Data Sources

This report uses state data from the following agencies: Pennsylvania Department of Labor and Industry, Center for Workforce Information and Analysis