JOBSEQ

Perkins V Report

Strengthening Career & Technical Education

in ZCTA 85233

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About this Report

The education industry supplies human capital to all industries. This report takes a macroeconomic view of the industries and the occupations that currently underpin the ZCTA 85233 economy. Knowing what skills and occupations local employers need now and in the future will help the education community better anticipate curriculum that prepares students for those job openings.

This report is designed to help educators who want to move beyond compliance and use Perkins V to make a real difference in their students' education. It provides actionable labor market intelligence–one of the Comprehensive Local Needs Assessment's (CLNA's) six requirements to bridge secondary education students to skilled jobs that employers need in ZCTA 85233.

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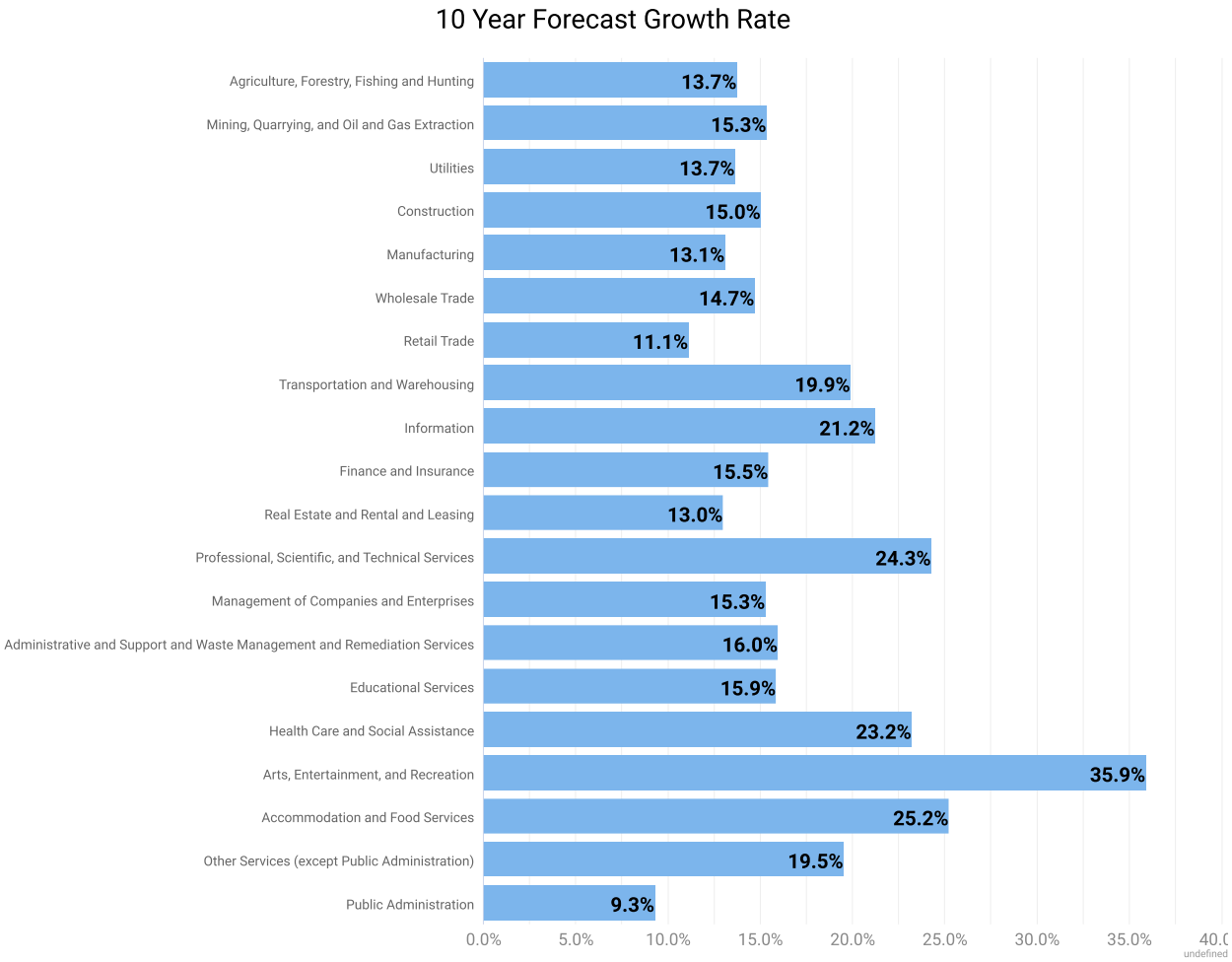
Industry Growth Forecasts

To help high school students select careers, educators can show them the earnings potential and the job opportunities across all industries today and in the future.

Employers can be categorized into one of 20 major industry sectors. The chart below shows the net job growth forecast for these sectors in ZCTA 85233.

As of the first quarter of 2023, ZCTA 85233 had 20 sectors forecast to have positive employment growth over the next ten years and 0 sectors projected to contract. Those growing include "Arts, Entertainment, and Recreation," "Accommodation and Food Services" and "Professional, Scientific, and Technical Services."



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Industry Forecasts Including Retirement Demand

For an accurate assessment of future demand, the number of people retiring from an industry need to be taken into account. From that perspective, the "Construction," "Retail Trade" and "Administrative and Support and Waste Management and Remediation Services" sectors are expected to have the highest annual job demand in ZCTA 85233.

Sector	Employment	Avg Ann Wages	Ann Empl Growth	Ann Total Demand
Construction	7,725	$72,446	109	868
Retail Trade	2,784	$48,991	29	425
Administrative and Support and Waste Management and Remediation Services	3,096	$51,775	46	423
Manufacturing	2,831	$70,718	35	345
Accommodation and Food Services	1,717	$25,692	39	341
Health Care and Social Assistance	2,109	$69,672	45	263
Professional, Scientific, and Technical Services	1,931	$102,180	42	217
Educational Services	1,902	$54,735	28	217
Information	1,340	$103,120	26	158
Real Estate and Rental and Leasing	1,023	$82,445	13	119
Wholesale Trade	880	$98,982	12	110
Other Services (except Public Administration)	782	$48,629	14	109
Transportation and Warehousing	387	$68,722	7	54
Finance and Insurance	399	$101,371	6	43
Arts, Entertainment, and Recreation	111	$29,694	3	20
Management of Companies and Enterprises	102	$107,883	1	11
Mining, Quarrying, and Oil and Gas Extraction	29	$91,035	0	3
Agriculture, Forestry, Fishing and Hunting	22	$62,231	0	3
Utilities	6	$87,426	0	1
Public Administration	1	$100,241	0	0
Total - All Industries	**29,293**	**$67,910**	**461**	**3,858**

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Detailed Industry Projections

Total employment in ZCTA 85233 is forecast to increase 16.9% over the next ten years, compared with an expected growth rate of 5.5% in the nation over the same period.

At the detailed industry level, "Restaurants and Other Eating Places" and "Building Equipment Contractors" are expected to experience the most job gains over this period.

Industry	Employment	Avg Ann Wages	Hist 10yr Change	Proj 10yr Growth
Restaurants and Other Eating Places	1,624	$25,235	442	409
Building Equipment Contractors	2,452	$74,192	1,443	352
Computer Systems Design and Related Services	835	$122,455	-143	265
General Medical and Surgical Hospitals	1,110	$83,619	49	197
Foundation, Structure, and Building Exterior Contractors	1,256	$69,153	711	180
Services to Buildings and Dwellings	1,198	$45,533	158	179
Building Finishing Contractors	1,069	$55,500	547	163
Employment Services	1,058	$52,291	592	154
Elementary and Secondary Schools	1,285	$54,097	-8	140
Home Health Care Services	402	$39,070	170	136

"Used Merchandise Retailers " and "Newspaper, Periodical, Book, and Directory Publishers" are projected to have the largest job declines in the region over the next ten years.

Industry	Employment	Avg Ann Wages	Hist 10yr Change	Proj 10yr Growth
Used Merchandise Retailers	69	$29,020	-19	-7
Newspaper, Periodical, Book, and Directory Publishers	80	$78,900	36	-7
Office Supplies, Stationery, and Gift Retailers	27	$49,889	8	-3
Printing and Related Support Activities	15	$56,266	-38	-2
Other Leather and Allied Product Manufacturing	25	$56,389	-36	-2
Electric Lighting Equipment Manufacturing	159	$86,785	102	-2
Book Retailers and News Dealers	5	$27,808	-14	-1
National Security and International Affairs	0	n/a	-1	0
Administration of Economic Programs	0	n/a	-20	0
Administration of Housing Programs, Urban Planning, and Community Development	0	n/a	-1	0

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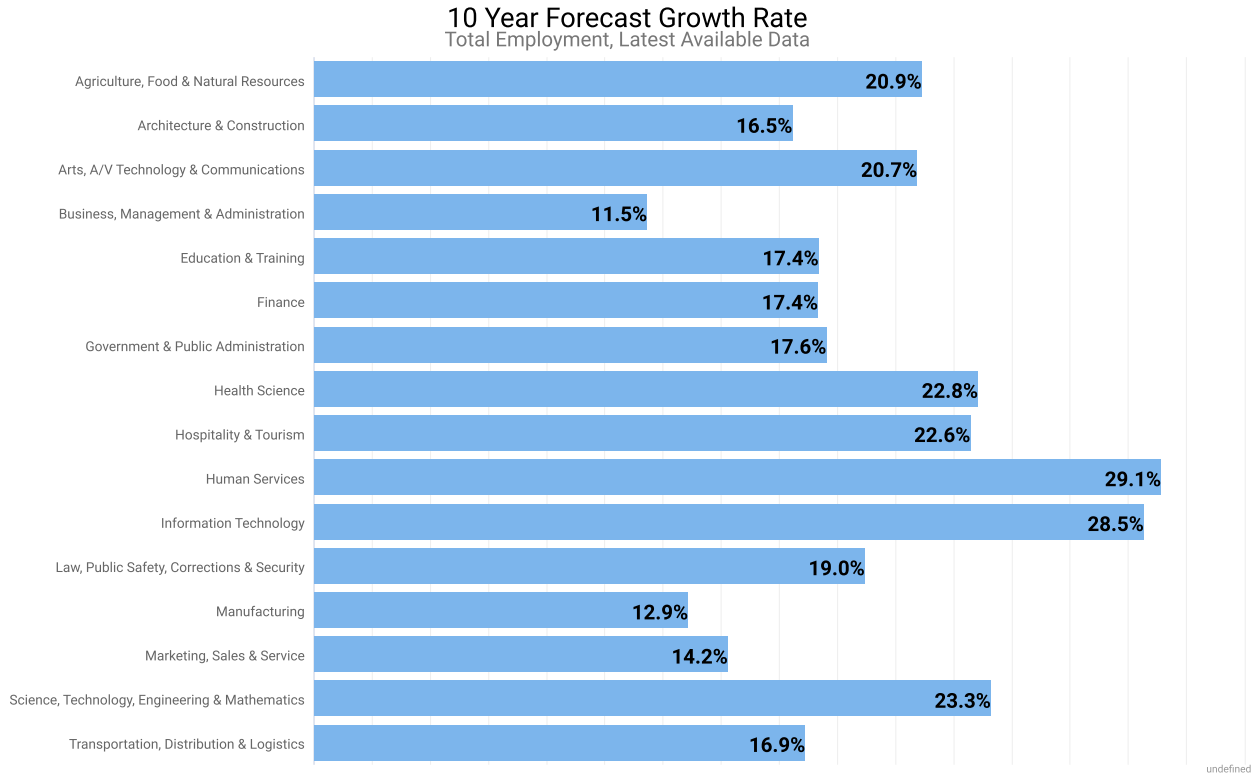
Career Cluster Growth Forecasts

With hundreds of occupations, it can be difficult for educators to pinpoint the most promising high-demand and high-wage occupations in their region that provide rewarding careers for their students. Analysis of the sixteen CTE Clusters provides an entryway into career pathways.

Of the sixteen career clusters, all are expected to expand employment in ZCTA 85233 over the next ten years. Of those all, "Science, Technology, Engineering & Mathematics," "Information Technology," "Health Science," "Finance," "Law, Public Safety, Corrections & Security," "Business, Management & Administration," "Government & Public Administration and "Arts, A/V Technology & Communications" pay more than the average occupation wage in the region ($62,500).



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Career Cluster Forecasts Including Retirement Demand

Similar to the analysis of industry employment growth, an accurate assessment of future occupation demand requires that the number of people retiring be taken into account as shown in the table below. In ZCTA 85233, "Architecture & Construction," "Business, Management & Administration" and "Hospitality & Tourism" clusters are expected to have the highest annual job demand.

"Science, Technology, Engineering & Mathematics" has the highest wages of the CTE Clusters followed by the "Information Technology" and "Health Science" clusters.

Career Cluster	Employment	Avg Ann Wages	Job Ads	Ann Empl Growth	Ann Total Demand
Science, Technology, Engineering & Mathematics	372	$111,300	102	8	35
Information Technology	1,196	$105,500	140	30	122
Health Science	1,669	$84,800	221	35	181
Finance	596	$81,600	71	10	64
Law, Public Safety, Corrections & Security	452	$68,700	16	8	70
Business, Management & Administration	5,352	$66,900	293	58	691
Government & Public Administration	116	$66,600	6	2	14
Arts, A/V Technology & Communications	489	$63,900	15	9	64
Education & Training	1,343	$59,800	101	22	150
Architecture & Construction	6,680	$58,200	82	103	797
Marketing, Sales & Service	3,141	$56,900	237	42	460
Manufacturing	2,709	$53,200	120	33	339
Transportation, Distribution & Logistics	2,037	$51,600	93	32	293
Agriculture, Food & Natural Resources	303	$51,100	11	6	51
Human Services	626	$44,900	83	16	106
Hospitality & Tourism	2,214	$39,800	192	46	464
Total - All Occupations	**29,293**	**$62,500**	**1,783**	**461**	**3,902**

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Detailed Occupation Projections

There are over 800 defined occupations at the detailed level. Among those occupations that support a living wage, "Software Developers" and "General and Operations Managers" are expected to add the most jobs over the next ten years in ZCTA 85233.

Occupation	Employment	Avg Ann Wages	Job Ads	Hist 10yr Change	Proj 10yr Growth
Software Developers	446	$128,600	32	444	176
General and Operations Managers	780	$116,300	10	378	145
Electricians	612	$55,300	5	358	123
First-Line Supervisors of Construction Trades and Extraction Workers	548	$77,800	7	310	91
Registered Nurses	467	$91,300	14	66	87
Carpenters	610	$53,900	4	312	77
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	359	$76,600	31	184	69
Plumbers, Pipefitters, and Steamfitters	403	$61,500	9	200	62
Project Management Specialists	355	$92,600	0	352	61
Construction Managers	226	$115,600	5	110	56

Of occupations supporting a living wage, "Executive Secretaries and Executive Administrative Assistants" and "Inspectors, Testers, Sorters, Samplers, and Weighers" are projected to have the largest decline in employment over the next ten years.

Occupation	Employment	Avg Ann Wages	Job Ads	Hist 10yr Change	Proj 10yr Growth
Executive Secretaries and Executive Administrative Assistants	45	$71,200	0	-65	-5
Inspectors, Testers, Sorters, Samplers, and Weighers	126	$53,200	13	50	-5
Payroll and Timekeeping Clerks	35	$51,900	4	2	-2
Patternmakers, Metal and Plastic	0	n/a	0	0	0
Statistical Assistants	0	n/a	0	0	0
New Accounts Clerks	0	n/a	2	0	0
Communications Equipment Operators, All Other	0	n/a	0	-1	0
First-Line Supervisors of Gambling Services Workers	0	n/a	0	-1	0
Detectives and Criminal Investigators	0	n/a	0	-4	0
First-Line Supervisors of Correctional Officers	0	n/a	0	-1	0

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ZCTA 85233 Regional Map

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Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2023Q1 and are based upon Bureau of Labor Statistics (BLS) QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including non-covered employment such as self-employed. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Occupation employment is as of 2023Q1 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS Occupation Employment and Wage Statistics (OEWS) data. Wages by occupation are as of 2023Q1, utilizing BLS OEWS data, imputed and brought forward by Chmura. Occupation employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced wholly by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the last twelve month period ending 08/09/2023 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced.
- For skill and certification gaps, openings and candidates are based upon regional occupation demand (growth plus separations) and the percent of skill demand and supply. Skill demand mix data are per a one-year sample of RTI data; skill supply data are estimated using a five-year sample of resumes data; both data sets compiled as of August 2021. Data may be based, at least in part, on data from broader geographies; see the Skill Gaps analytic export for more details.
- Postsecondary are per the National Center for Education Statistics. Awards and enrollment are for the 2020-2021 academic year and average net price data are for the 2020-2021 academic year.
- Figures may not sum due to rounding.

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FAQs

How are industries and occupations defined?

Industries are defined via the North American Industry Classification System (NAICS). “Sectors” in this report represent 2-digit NAICS codes and industries in the “Industry Analysis” section of this report represent 4-digit NAICS codes. Occupations are defined via the Standard Occupational Classification System (SOC). Occupations in the “Occupation Analysis” section of this report represent 6-digit SOC codes. “CTE Clusters” are collections of 6-digit SOC occupations as defined through the National Career Clusters® Framework.

How is “Ann Total Demand” defined?

Annual total employment demand is forecast job demand that includes job needs due to growth, exits (such as retirements), and transfers (individuals moving from one career into another).

What is the Living Wage used in this report?

The living wage in the United States is $24.16 per hour in 2021, before taxes for a family of four (two working adults, two children) - MIT Living Wage Calculator.

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