



An Introduction to Ohio's In-Demand Jobs Reports

A Project of the Governor's Office of Workforce Transformation

John R. Kasich, Governor

Ryan D. Burgess, Director



Dear Fellow Ohioans:

Thank you for your interest in Ohio's In-Demand Jobs Report.

The Governor's Office of Workforce Transformation has put together this tool to help identify some of the strongest workforce opportunities for Ohioans based on their individual strengths, interests, education and objectives.

Defining and identifying Ohio's in-demand jobs serves as a strong foundation for transforming Ohio's workforce development system. By understanding Ohio businesses' most urgent job needs, we can address workforce gaps, by:

- Aligning Ohio's education and training programs with the needs of business;
- Guiding job seekers and students to careers that are most likely to result in a job and provide a family sustaining wage; and
- Creating industry-led dialogue with local and state workforce partners to identify the gaps in the system and work cooperatively to address any shortfalls.

With the creation and implementation of this data, we are opening doors that will lead to new opportunities and better alignment of education and training, job creators and job seekers.

Whether you are searching for a job, looking for talent, helping to shape educational curriculum, trying to decide on your future career or advising someone who is in one of these roles, Ohio's in-demand jobs data can help guide you through your decisions. The following instructional guide will walk you through how to access and utilize the data.

More information about Ohio's in-demand jobs and other valuable resources can be found at **OhioMeansJobs.com**.

Sincerely,

Ryan D. Burgess,
Director, Governor's Office of Workforce Transformation

Ref. No.	Occupation Title-	Median Wage	Projections				Methodology				OMJ		Forecast	
			Education Level ¹	On-the-Job Training ²	Total Annual Openings	Growth	Base	JobsOhio	2nd Tier	Review Comm	Jobs	Employers	Jobs	Employers
1	Accountants and Auditors	\$63,350	Bachelor's degree	None	1,438	336	X				16,451	675	1,296	15
2	Actuaries	\$89,430	Bachelor's degree	Long-term on-the-job training	45	15		X			961	32	17	2
3	Administrative Services Managers	\$77,810	Bachelor's degree	None	276	72	X				286	102	-	-
4	Aerospace Engineering and Operations Technicians	\$71,219	Associate's degree	None	7	0		X			7	5	-	-
5	Aerospace Engineers	\$107,560	Bachelor's degree	None	129	0		X			1,998	72	321	3
6	Aircraft Mechanics and Service Technicians	\$58,370	Certificate/Some college	None	98	22		X			161	33	31-	3
7	Architectural and Engineering Managers	\$120,520	Bachelor's degree	None	226	14		X			1,818	229	7	3
8	Architectural Drafters*	\$48,318	Associate's degree	None	38	0	X				140	39	-	-
9	Art, Drama, and Music Teachers, Postsecondary	\$65,190	Doctoral or professional degree	None	127	39	X				18	5	-	-
10	Assemblers and Fabricators, All Other	\$29,730	High school diploma or equivalent	training	524	55	X				231	64	252	5
11	Audio and Video Equipment Technicians	\$35,340	Certificate/Some college	Short-term on-the-job training	41	14			X		91	39	3	1
12	Automotive Body and Related Repairers	\$37,960	High school diploma or equivalent	Long-term on-the-job training	210	58	X				43	19	1-	1
13	Automotive Service Technicians and Mechanics	\$35,260	Certificate/Some college	Short-term on-the-job training	857	126	X				2,936	92	88	2
14	Avionics Technicians	\$58,520	Associate's degree	None	10	2		X			39	13	3-	1
15	Bill and Account Collectors	\$32,110	High school diploma or equivalent	training	404	0	X				2,775	205	164-	2
16	Billing and Posting Clerks	\$34,290	High school diploma or equivalent	training	817	304	X				1,542	145	6	1
17	Biomedical Engineers	\$68,224	Bachelor's degree	None	25	8	X				163	35	-	-
18	Bookkeeping, Accounting, and Auditing Clerks	\$35,800	Some college, no degree	training	640	0	X				3,832	558	42,769	6
19	Brickmasons and Blockmasons	\$51,646	High school diploma or equivalent	Apprenticeship	73	41	X				-	-	-	-
20	Bus and Truck Mechanics and Diesel Engine Specialists	\$43,920	High school diploma or equivalent	Long-term on-the-job training	325	118	X				3,188	149	42,742	6
21	Bus Drivers, School or Special Client	\$32,370	High school diploma or equivalent	Short-term on-the-job training	282	106	X				325	40	25	1
22	Business Operations Specialists, All Other	\$62,410	Bachelor's degree	None	374	67	X				5,189	316	6	1
23	Carpenters	\$43,780	High school diploma or equivalent	Apprenticeship	623	287	X				132	44	42,890	12
24	Chemical Engineers	\$86,110	Bachelor's degree	None	40	4		X			447	67	41	9
25	Chemical Equipment Operators and Tenders	\$44,850	High school diploma or equivalent	training	94	0		X			2	2	19	1
26	Chemical Plant and System Operators	\$47,620	High school diploma or equivalent	Long-term on-the-job training	70	0		X			146	30	18	2
27	Chemists	\$67,890	Bachelor's degree	None	85	4		X			770	86	58	4
28	Child, Family, and School Social Workers	\$39,010	Bachelor's degree	None	334	71	X				372	66	9	2
29	Civil Drafters*	\$48,318	Associate's degree	None	38	0	X				140	39	-	-
30	Civil Engineering Technicians	\$51,293	Associate's degree	None	66	12		X			202	35	-	-
31	Civil Engineers	\$76,190	Bachelor's degree	None	286	63	X				514	96	16	4
32	Claims Adjusters, Examiners, and Investigators	\$62,100	High school diploma or equivalent	Long-term on-the-job training	312	11	X				2,502	90	1,581	4
33	Clinical Psychologists*	\$71,000	Doctoral or professional degree	Internship/residency	189	94	X				263	30	12	2
34	Coaches and Scouts	\$25,230	High school diploma or equivalent	Long-term on-the-job training	386	63			X		14	10	-	-
35	Commercial and Industrial Designers	\$60,424	Bachelor's degree	None	64	4		X			250	44	-	-
36	Commercial Pilots	\$50,920	High school diploma or equivalent	training	144	65	X				50	21	12	1
37	Compliance Officers	\$56,470	Bachelor's degree	training	120	28		X			884	161	5	3
38	Computer and Information Research Scientists	\$96,810	Doctoral or professional degree	None	3	0			X		503	55	13	3

What are Ohio's In-Demand Jobs?

An in-demand job is a job that has a sustainable wage and a promising future based on the projected number of openings and growth. The following criteria were used to define an "in-demand job" in Ohio:

- 80% of state median wage, \$13.47 per hour, or more;
- Annual growth in the number of jobs greater than the statewide average of 50; and
- Annual job openings greater than the statewide average of 230.

In addition to these state labor statistics and projections, electronic job posting trend data and business responses to an online jobs forecast tool were critical components in defining in-demand jobs. The forecast tool will remain open indefinitely to continue to capture business needs.

The in-demand occupations represent approximately 17,000 related job titles that have been designated as Ohio's in-demand jobs.

Understanding In-Demand Jobs Reports

Ohio's In-Demand Jobs Report is a customizable, online tool to help guide Ohioans on career pathways that meet their individual needs and goals and allow them to take advantage of employment opportunities available in our state.

Each report contains data pertaining to each occupation, as well as how that job was designated as "in-demand."

This booklet breaks down how to read and understand all the facts and figures contained in Ohio's In-Demand Jobs Reports.

With an understanding of how to interpret these reports, job seekers, educators, businesses, and state and local community leaders can make more informed decisions to solidify their short- and long-term success.



Ref. No.	Occupation Title
1	Accountants and Auditors
2	Actuaries
3	Administrative Services Managers
4	Aerospace Engineering and Operations Technicians
5	Aerospace Engineers
6	Aircraft Mechanics and Service Technicians
7	Architectural and Engineering Managers

Ref. No.:

A reference number assigned to an occupation, organized in alphabetical order.

Occupation Title:

The designated title and number of in-demand occupations.



Reference Number & Occupation Title

“Ref. No.” or Reference Number refers to the number assigned to an occupation, organized in alphabetical order. “Occupation Title” is the U.S. Department of Labor’s designated job title for the occupation listed.

It is important to note that the reference number is not an indication of rank. In other words, the report is not organized by Ohio’s most in-demand jobs, ordered from top to bottom. The issue of which occupation is Ohio’s most in-demand job is a subjective question. Ohio’s In-Demand Jobs Report can be used to guide each person toward an individualized answer, based on an individual’s strengths, interests and objectives.

Just as education and career choices are based on personal priorities and goals, Ohio’s In-Demand Jobs Reports include many variables and provide a customized guide to help Ohio’s job seekers make decisions about their individual career pathways.

Median Wage, Education Level & On-the-Job Training

“Median Wage,” “Education Level” and “On-the-Job Training” reflect the U.S. Bureau of Labor Statistics classifications for the median wage of the occupation, the typical education level needed to enter the occupation, and the typical on-the-job training required to be competent in the occupation.

Openings & Growth

“Total Annual Openings” and “Growth” represent statewide labor market information and projected statistics for the identified occupation. Openings refer to the anticipated number of positions that become available each year, and growth is the projected increase in the total positions for the occupation from one year to the next.

Projections

Median Wage	Education Level¹	On-the-Job Training²
\$63,350	Bachelor's degree	None
\$89,430	Bachelor's degree	Long-term on-the-job training
\$77,810	Bachelor's degree	None
\$71,219	Associate's degree	None
\$107,560	Bachelor's degree	None
\$58,370	Certificate/Some college	None
\$120,520	Bachelor's degree	None

Median Wage:

The middle salary received in the occupation.

Education Level:

Typical education needed to enter the occupation.

On-the-Job Training:

Typical training required for competency in the occupation.

Occupation Title	Total Annual Openings	Growth
Accountants and Auditors	1,438	336
Actuaries	45	15
Administrative Services Managers	276	72
Aerospace Engineering and Operations Technicians	7	0
Aerospace Engineers	129	0
Aircraft Mechanics and Service Technicians	98	22
Architectural and Engineering Managers	226	14

Total Annual Openings:

The number of anticipated positions that become available each year.

Growth:

The anticipated increase in the total positions over the last year.

Projections	Methodology			
Occupation Title	Base	JobsOhio	2nd Tier	Review Comm
Accountants and Auditors	X	-	-	-
Actuaries	-	X	-	-
Administrative Services Managers	X	-	-	-
Aerospace Engineering and Operations Technicians	-	X	-	-
Aerospace Engineers	-	X	-	-
Aircraft Mechanics and Service Technicians	-	X	-	-

Baseline:
The occupation met statistical thresholds for wages, openings and growth.

JobsOhio:
The occupation supports one of JobsOhio's nine industry clusters.

2nd Tier:
The forecasted occupation met a lower threshold for wages and was either credentialed or had significant job posting trends.

Review Comm:
The occupation was added based on review by the In-Demand Review Committee.



Ohio's in-demand methodology takes into consideration data from several sources to best reflect the state's most urgent workforce needs.

"Base" or baseline means that an occupation met predetermined statistical thresholds for wages, openings and growth as defined on the previous page.

"JobsOhio" refers to an occupation that meets certain statistic thresholds and supports one of JobsOhio's nine recognized industry clusters.

"2nd Tier" indicates that the forecasted occupation met a lower statistical threshold for wages or met other business-based criteria, as noted above.

"Review Comm" represents occupations added to the list by the In-Demand Review Committee, which is made up of employers, JobsOhio, and state and local workforce officials. The committee reviews all information for potential additions to the In-Demand Jobs Report.

Projections Occupation Title	OMJ		Forecast	
	Jobs	Employers	Jobs	Employers
Accountants and Auditors	16,451	675	1,296	15
Actuaries	961	32	17	2
Administrative Services Managers	286	102	-	-
Aerospace Engineering and Operations Technicians	7	5	-	-
Aerospace Engineers	1,998	72	321	3
Aircraft Mechanics and Service Technicians	161	33	310	3

Jobs:

The number of **OhioMeansJobs.com** job postings related to the occupation in the most recent four years.

Employers:

The recent four-year number of employers who posted a need for the occupation on **OhioMeansJobs.com**.

Example: Thirty-two employers posted 961 job openings for actuaries on **OhioMeansJobs.com**.

Jobs:

The number of jobs forecasted by Ohio employers that identified the occupation as an urgent workforce need.

Employers:

The number of Ohio employers that identified the occupation as an urgent workforce need.

Example: Two Ohio employers who participated in the survey forecasted 17 actuary jobs.

OhioMeansJobs.com Jobs & Employers

OhioMeansJobs.com is the state's premier online job matching and career exploration and planning tool. This resource offers support and assistance to job seekers, as well as Ohio employers looking for talent. The data reflect the job posting trends for each occupation.

**Employer Forecasted Jobs & Employers**

The forecast numbers reflect both the number of jobs forecasted and the number of employers that indicated the occupation was an in-demand job in the coming months and years.



In-Demand Jobs Reports

The purpose of Ohio's In-Demand Jobs Reports is to provide individuals, training institutions, businesses, workforce professionals and policymakers with a reliable, consistent method for identifying in-demand jobs and related career opportunities in Ohio.

Find In-Demand Jobs Reports and so much more at OhioMeansJobs.com



John R. Kasich, Governor
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