An Introduction to Ohio's In-Demand Jobs Report

A Project of the Governor's Office of Workforce Transformation

John R. Kasich, Governor
Dawn Larzelere, Director

A Message from Our 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 **www.OhioMeansJobs.com.**

Sincerely,

Dawn Larzelere
Director

Ohio MEANS Jobs .com

In-Demand Occupations Report - 7/1/2015

	Projections						Methodology				OMJ		Forecast	
Ref. No.	Occupation Title - 209	Median Wage	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	$60,420	Bachelor's degree	-	1,546	354	x	-	-	-	25,787	659	188	21
2	Actuaries	$86,630	Bachelor's degree	Long-term on-the-job training	55	26	-	x	-	-	249	21	57	3
3	Administrative Services Managers	$74,060	High school diploma or equivalent	-	245	90	x	-	-	-	429	116	-	-
4	Aerospace Engineering and Operations Technicians	$60,950	Associate's degree	-	5	0	-	x	-	-	11	4	13	1
5	Aerospace Engineers	$98,740	Bachelor's degree	-	93	0	-	x	-	-	2,087	81	76	4
6	Aircraft Mechanics and Service Technicians	$59,510	Certificate/Some College	-	82	17	-	x	-	-	145	31	182	3
7	Architectural and Civil Drafters	$46,380	Associate's degree	-	39	0	-	x	-	-	213	36	4	1
8	Architectural and Engineering Managers	$112,470	Bachelor's degree	-	220	40	-	-	x	-	2,700	316	154	3
9	Art, Drama, and Music Teachers, Postsecondary	$59,230	Doctoral or professional degree	-	158	84	x	-	-	-	39	1	-	-
10	Assemblers and Fabricators, All Other	$24,180	High school diploma or equivalent	Moderate-term on-the-job training	524	183	-	-	x	-	202	60	185	5
11	Automotive Service Technicians and Mechanics	$33,730	High school diploma or equivalent	Long-term on-the-job training	805	158	x	-	-	-	2,773	96	3	1
12	Avionics Technicians	$55,600	Certificate/Some college	-	8	0	-	-	x	-	45	15	47	2
13	Bill and Account Collectors	$29,860	High school diploma or equivalent	Moderate-term on-the-job training	735	262	x	-	-	-	5,569	208	186	3
14	Billing and Posting Clerks	$32,890	High school diploma or equivalent	Short-term on-the-job training	809	357	x	-	-	-	1,072	109	-	-
15	Biomedical Engineers	$82,580	Bachelor's degree	-	20	6	-	x	-	-	276	29	20	2
16	Bookkeeping, Accounting, and Auditing Clerks	$35,130	High school diploma or equivalent	Moderate-term on-the-job training	1,100	500	x	-	-	-	4,590	420	16	1
17	Brickmasons and Blockmasons	$49,680	High school diploma or equivalent	Apprenticeship	115	76	x	-	-	-	3	2	-	-
18	Bus and Truck Mechanics and Diesel Engine Specialists	$43,440	High school diploma or equivalent	Long-term on-the-job training	284	58	x	-	-	-	1,266	97	113	3
19	Bus Drivers, School or Special Client	$26,950	High school diploma or equivalent	Moderate-term on-the-job training	329	102	x	-	-	-	195	13	-	-
20	Business Operations Specialists, All Other	$60,990	High school diploma or equivalent	Long-term on-the-job training	390	66	-	-	x	-	5,080	314	75	1
21	Carpenters	$42,420	High school diploma or equivalent	Apprenticeship	869	527	x	-	-	-	139	34	30	1
22	Chemical Engineers	$83,430	Bachelor's degree	-	39	5	-	x	-	-	706	107	112	14
23	Chemical Equipment Operators and Tenders	$50,080	High school diploma or equivalent	Moderate-term on-the-job training	86	0	-	x	-	-	1	1	25	2
24	Chemical Plant and System Operators	$43,050	High school diploma or equivalent	Long-term on-the-job training	78	2	-	x	-	-	134	25	17	1
25	Chemists	$64,150	Bachelor's degree	-	93	7	-	x	-	-	977	91	61	6
26	Child, Family, and School Social Workers	$39,640	Bachelor's degree	-	308	123	x	-	-	-	287	27	-	-
27	Civil Engineering Technicians	$50,620	Associate's degree	-	42	0	-	x	-	-	128	37	13	1
28	Civil Engineers	$72,920	Bachelor's degree	-	291	117	-	-	x	-	946	128	34	1
29	Claims Adjusters, Examiners, and Investigators	$58,270	High school diploma or equivalent	Long-term on-the-job training	306	40	-	-	x	-	2,339	89	190	4
30	Coaches and Scouts	$26,000	High school diploma or equivalent	Long-term on-the-job training	429	138	x	-	-	-	67	7	-	-
31	Commercial and Industrial Designers	$63,640	Bachelor's degree	-	65	7	-	x	-	-	513	51	15	1
32	Compliance Officers	$57,670	Bachelor's degree	Moderate-term on-the-job training	157	30	-	x	-	-	1,028	161	49	2
33	Computer and Information Systems Managers	$111,630	Bachelor's degree	-	319	161	x	-	-	-	11,607	326	114	8
34	Computer Network Architects*	$95,640	Bachelor's degree	-	117	49	-	-	x	-	1,563	166	9	1
35	Computer Network Support Specialists	$48,740	Bachelor's degree	-	132	22	-	x	-	-	193	55	127	3
36	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	$43,030	High school diploma or equivalent	Moderate-term on-the-job training	79	35	-	x	-	-	139	45	58	6
37	Computer Occupations, All Other	$80,020	Bachelor's degree	-	135	7	-	-	x	-	36,033	486	1,272	41
38	Computer Programmers	$66,020	Bachelor's degree	-	252	9	x	-	-	-	7,084	356	333	8

What are Ohio's In-Demand Jobs?

An In-Demand job in Ohio means that job 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:

- Median wage of more than $12.98 per hour;
- Annual growth in the number of jobs greater than the statewide average of 70; and,
- Annual job openings greater than the statewide average of 250.

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.

As of June 2015, 209 occupations representing over 17,000 related job titles 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 a career pathway, based on an individual's specific needs and goals and the 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, In-Demand Jobs can help job seekers, educators, businesses, and state and local community leaders make informed decisions about the actions they are taking or need to take to solidify their success in the short and long term.

Ref. No.	Occupation Title - 209
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 Civil Drafters

Ref. No.:
A reference number assigned to an occupation, organized in alphabetical order

Occupation Title:
Designated title and number of In-Demand occupations

Reference Number & Occupation Title

"Ref. No." or Reference Number refers to the number assigned to a specific occupation, organized in alphabetical order. "Occupation Title" is the U.S. Department of Labor 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 actually a very subjective question, and 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 pathway.

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 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 Level[1]	On-the-Job Training[2]
$60,420	Bachelor's degree	-
$86,630	Bachelor's degree	Long-term on-the-job training
$74,060	High school diploma or equivalent	-
$60,950	Associate's degree	-
$98,740	Bachelor's degree	-
$59,510	Certificate/Some College	-
$46,380	Associate's degree	-

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 - 209	Total Annual Openings	Growth
Accountants and Auditors	1,546	354
Actuaries	55	26
Administrative Services Managers	245	90
Aerospace Engineering and Operations Technicians	5	0
Aerospace Engineers	93	0
Aircraft Mechanics and Service Technicians	82	17
Architectural and Civil Drafters	39	0

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

Occupation Title - 209	Methodology			
	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 wage, openings and growth

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

2nd Tier:
The occupation met a lower statistical threshold for wage, openings or growth, but was forecasted as a credentialed or certificate-based need

Review Comm:
The occupation was added based upon 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 wage, 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, though the occupation met a lower statistical threshold for wage, openings or growth, an Ohio employer forecasted the occupation as an In-Demand job.

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

	OMJ		Forecast	
Occupation Title - 209	**Jobs**	**Employers**	**Jobs**	**Employers**
Accountants and Auditors	25,787	659	188	21
Actuaries	249	21	57	3
Administrative Services Managers	429	116	-	-
Aerospace Engineering and Operations Technicians	11	4	13	1
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Aircraft Mechanics and Service Technicians	145	31	182	3

Jobs:
The recent four-year number of job postings to OhioMeansJobs.com related to the occupation

Employers:
The recent four-year number of employers who posted a need for the occupation to OhioMeansJobs.com

Jobs:
The number of jobs forecasted by Ohio employers, identifying the occupation as an urgent workforce need

Employers:
The number of Ohio employers who identified the occupation as an urgent workforce need

Example: 249 job openings have been posted to OhioMeansJobs.com, from 21 different employers, looking for Actuaries

Example: For Actuaries, 57 jobs were forecasted from 3 Ohio employers who participated in the forecast survey

OhioMeansJobs.com Jobs & Employers

OhioMeansJobs is the state's online job matching and career exploration and planning tool, offering support and assistance to job seekers as well as Ohio employers looking for talent. The data here reflects the job posting trends for each specific occupation.

Employer Forecasted Jobs & Employers

The Forecast numbers reflect both the number of jobs forecasted, and the number of employers who 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 effort 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**

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