

Map Your Career



County of Summit, Ohio
Russell M. Pry, Executive

2012-2014

Understanding career pathway options - whether you are in a particular industry already or exploring which one to enter - can be very helpful for career planning. Career pathway diagrams illustrate the occupations and industry-wide pathways available within a particular sector. This can be an invaluable help for both job seekers and workers as they consider how to advance in or choose a career. This guide will provide career pathways in five industries key to Summit County's local economy: **Health Care; Biotechnology, Life, and Polymer Sciences; Information Technology; Finance, Insurance and Real Estate; Advanced Manufacturing and Skilled Trades**. For each industry, you'll learn about current trends, average wages, and typical career pathways.

For more information on additional career services, please contact:

The Summit County Job Center, 1040 East Tallmadge Avenue, Akron, Ohio 44310,
330-633-1050, www.thejobcenter.biz.



Factoids

- In the coming years, **85%** of new jobs will require more than a high school diploma or GED.
- In the coming years, positions requiring non-skilled labor will only make up between **2% and 12%** of all available jobs.
- **98%** of all jobs will require at least a high school diploma or GED.

Resources for Education and Career Planning

1. The Job Center: <http://www.thejobcenter.biz> -- The Job Center is Summit County's one-stop job service center. Visitors have free access to internet accessible computers, copiers, and fax machines in the Resource Room, attend basic computer training and other skills training courses, and register for the state-wide job matching system to be notified of job openings in their interest areas.

2. Ohio Labor Market Information: <http://lmi.state.oh.us> -- The state's site which combines wage data with other resources, including career exploration, job trends reports, and a wealth of other data.

3. Ohio Means Jobs: <https://ohiomeansjobs.com/omj> -- Ohio Means Jobs is the State of Ohio's website created by the Ohio Department of Job and Family Services that allows you to search all electronic job opportunities posted online which include Ohio employers, national commercial job boards and specialty industries. Let all Ohio employers find you today by taking the opportunity to post your resume for **FREE**.

4. Bureau of Labor Statistics, Wage Data: <http://bls.gov/bls/blswage.htm> -- A resource which includes recent salary survey data and short descriptions for hundreds of occupational categories. Users can view wages on a national, state, or local level. To visit the Akron Metropolitan Statistical Area (MSA) wage data page, please see: http://bls.gov/oes/current/oes_10420.htm.

5. Career One-Stop: <http://www.careeronestop.org> -- Sponsored by the U.S. Department of Labor, this site contains tools to help job seekers, students, businesses, and career professionals.

6. O*Net Online: <http://online.onetcenter.org> -- A nation-wide career exploration resource, the O*Net database contains information about hundreds of occupations, including job tasks, education requirements, and wages.

Wages in different industries and companies change at different times throughout the year. There is always a lag between published wages and actual wages. In addition, in some of the emerging professions described in this booklet, published wage information is not yet available. Please consider the wage information as a guide. More current wage information is always part of the employment interview and selection process.

A wide range of certificates and degrees are offered by the many community and technical colleges located throughout Northeast Ohio. To locate a college near you and learn more about the programs available, visit the National Center on Education Statistics' *College Navigator* webpage, or 50States.com at <http://www.50states.com/college/>. Nationally recognized industry certifications can increase your wage potential and in some cases equal college credit. Choose a training program that includes at least one industry credential.

For a list of over 900 registered apprenticeship programs in Ohio, go to: <http://jfs.ohio.gov/apprenticeship>, or visit the Apprenticeship Sponsors Database at <http://oa.doleta.gov/> to locate an apprenticeship program near you.

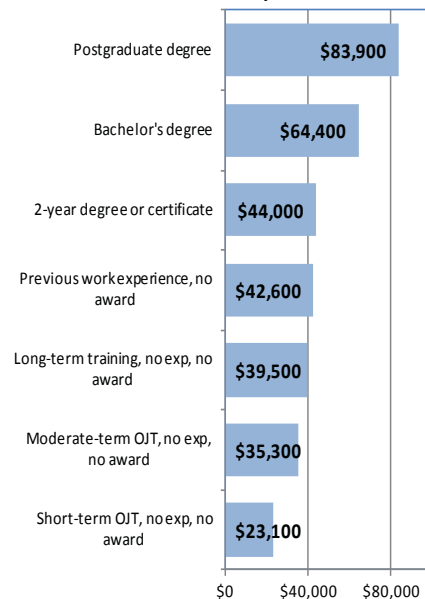
Summit County's 20 Fastest-Growing Occupations, 2012-2022

Occupational Title	Proj. Emp. Growth / year	Education Level Required	Average Wage, 2012
Glaziers	11.4%	H.S. diploma or equivalent	\$35,500
Helpers--Carpenters	11.1%	Less than H.S.	\$24,800
Biomedical Engineers	10.7%	Bachelor's degree	\$78,200
Reinforcing Iron & Rebar Workers	10.7%	H.S. diploma or equivalent	\$36,400
Helpers--Brickmasons, Blockmasons, Stonemasons, & Tile & Marble Setters	10.2%	Less than H.S.	\$26,300
Home Health Aides	9.2%	Less than H.S.	\$19,200
Helpers--Pipelayers, Plumbers, Pipefitters, & Steamfitters	9.0%	H.S. diploma or equivalent	\$25,300
Personal Care Aides	8.6%	Less than H.S.	\$18,700
Marriage & Family Therapists	8.5%	Master's degree	\$41,400
Interpreters & Translators	8.2%	Bachelor's degree	\$43,500
Veterinary Technologists & Technicians	8.1%	Associate's degree	\$28,400
Meeting, Convention, & Event Planners	7.7%	Bachelor's degree	\$44,300
Mental Health Counselors	7.5%	Master's degree	\$36,500
Occupational Therapy Assistants	7.4%	Associate's degree	\$48,900
Physical Therapist Aides	7.3%	H.S. diploma or equivalent	\$22,600
Brickmasons & Blockmasons	7.0%	H.S. diploma or equivalent	\$43,600
Physical Therapist Assistants	6.7%	Associate's degree	\$48,300
Diagnostic Medical Sonographers	6.7%	Associate's degree	\$61,600
Medical Secretaries	5.9%	H.S. diploma or equivalent	\$29,400
Geographers	0.0%	Bachelor's degree	\$64,800

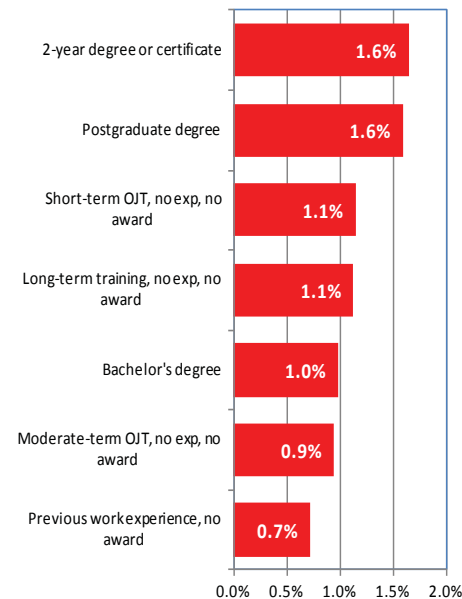
Education is the Ticket to Higher Salaries

The charts presented below show what the average salary is for all growing occupations in Summit County for each education level, and how much those occupations are expected to grow over the next 10 years.

Average Annual Wages, Growing Occupations in Summit County 2012-2022



Avg. Annual Projected Job Growth Rate, Growing Occupations in Summit County 2012-2022



Source: JobsEQ(R).

Summit County's 20 Occupations with the Most Annual Job Openings, 2012-2022

Occupational Title	Avg. Proj. Annual Openings	Avg. Wage, 4 qtrs. ending 2nd q 12
Retail Salespersons	279	\$21,200
Cashiers	261	\$17,900
Registered Nurses	261	\$62,000
Waiters and Waitresses	231	\$17,600
Food Prep. & Serving Workers	199	\$17,500
Home Health Aides	190	\$19,200
Customer Service Representatives	182	\$29,200
Personal Care Aides	169	\$18,700
Laborers, Freight, Stock, Material Movers	165	\$22,800
Office Clerks, General	156	\$25,600
Heavy and Tractor-Trailer Truck Drivers	114	\$36,500
Nursing Aides, Orderlies, and Attendants	104	\$22,900
Sales Reps, Wholesale & Manuf.	101	\$51,300
Receptionists and Information Clerks	100	\$23,900
First-Line Supervisors of Office & Admin. Support Workers	93	\$46,800
Janitors & Cleaners	89	\$21,000
Licensed Practical & Vocational Nurses	78	\$38,700
Elementary School Teachers, Except Spec. Ed.	77	\$49,700
Accountants and Auditors	76	\$59,500
Teacher Assistants	67	\$22,200

Health Care

Expected Employability and/or Soft Skills

Integrity, Work Ethic, Communicator, Adaptor, Critical Thinker, Dependable

Trends

Health care has become one of the most important employment sectors in Summit County. In 2012, healthcare practitioners, technical, and healthcare support occupations employed 26,265 people in Summit County, accounting for nearly 10.2% of all employed workers in Summit County.

Job growth in health care occupations continues to rise despite the recent economic recession. Estimates show that combined healthcare practitioner, technical, and healthcare support occupations in Summit County are projected to increase by an average of 1,115 jobs per year, or about 4.1% each year over the next 10 years.

Some health care jobs will be in long-term care and care for seniors and others with special needs. Summit County has more than 250 facilities or agencies that provide some type of long-term care and across Ohio there are over 20,000 long-term care employees.

Wages

For detailed information about health care occupations including earnings opportunities, employment projections, detailed job descriptions, training schools, and other pertinent information, see the Akron Regional Hospital Association's Career Guide at:

<http://arha.org/Career/2010ARHA%20HealthCareerGuide.pdf>

Source: JobsEQ(R)

Top Health Care Jobs in Summit County (ranked by total employment)

Occupation	Total Employment	Average Salary
Registered Nurses	6,896	\$62,000
Nursing, Psychiatric, and Home Health Aides	6,098	\$21,500
Miscellaneous Healthcare Support Occupations	2,383	\$28,400
Licensed Practical and Licensed Vocational Nurses	1,734	\$38,700
Physicians and Surgeons	1,381	\$138,100
Therapists	1,370	\$65,200
Health Practitioner Support Technologists and Technicians	1,294	\$30,100
Diagnostic Related Technologists and Technicians	861	\$53,500
Clinical Laboratory Technologists and Technicians	736	\$44,600
Pharmacists	579	\$106,900
Emergency Medical Technicians and Paramedics	451	\$29,300
Medical Records and Health Information Technicians	446	\$31,800
Dental Hygienists	368	\$65,300
Physical Therapist Assistants and Aides	275	\$37,900
Dentists	214	\$132,800
Physician Assistants	193	\$83,800
Massage Therapists	150	\$33,400
Dietitians and Nutritionists	127	\$51,100
Opticians, Dispensing	124	\$31,300
Occupational Health and Safety Specialists and Technicians	123	\$59,600
Veterinarians	88	\$77,900
Occupational Therapy Assistants and Aides	84	\$44,500
Miscellaneous Health Diagnosing and Treating Practitioners	65	\$63,900
Chiropractors	62	\$62,100
Optometrists	61	\$89,900
Miscellaneous Health Practitioners and Technical Workers	38	\$39,800
Audiologists	28	\$64,300
Podiatrists	21	\$113,400
Miscellaneous Health Technologists and Technicians	15	\$60,000

Source: JobsEQ(R).

* Note: Employment and average salary are for the 4 most recent quarters ending with the 2nd quarter of 2012

Health Care Career Paths

<i>Education Requirement (annual earnings potential)</i>	<i>Administrative</i>	<i>Allied Health</i>	<i>Information Technology</i>	<i>Medicine & Medical Support</i>	<i>Nursing</i>	<i>Rehabilitation</i>	<i>Service & Skilled Maintenance</i>
Doctorate (\$70k-\$250k)	Medical Director	Pharmacist		Physician Dentist Psychologist	Director of Nursing	Physical Therapist	
Advanced Degree (\$40k-\$120k)	Administrator Chief Financial Officer Chief Compliance Officer	Social Worker Genetic Counselor	Chief Information Officer	Researcher Physicians Assistant Optician	Clinical Nurse Specialist Nurse Practitioner	Counselor Occupational Therapist Speech Pathologist	Supervisor
Bachelor's Degree (\$30k-\$100k)	Accountant Financial Analyst Nursing Home Administrator	Dietitian Medical Technologist Perfusionist Respiratory Therapist Athletic Trainer Surgeon's Assistant Microbiologist	Data Base Manager Medical Records Administrator Network Administrator Programmer Analyst Systems Administrator Web Designer		Registered Nurse	Art Therapist Music Therapist Activities Director	Engineer Safety Officer Biomedical Engineer
Associate's Degree (\$25k-\$75k)	Administrative Assistant Paralegal Coding Technician	Medical Technician Paramedic Radiation Therapist Diet Technician Cardiovascular Technologist Pharmacy Technician Paramedic Imaging Technologist -Nuclear Medicine -Radiology -Ultrasound	Coding Specialist Computer Operator Health Info Technician Picture Archiving Administrator	Office Manager Dental Hygienist Medical Secretary Ophthalmic Technician	Registered Nurse	Occupational Therapy Physical Therapy Assistant	Carpenter Electrician Plumber Security Officer Biomedical Technician
Some Post Secondary Training (\$25k-\$45k)	Clerk Secretary	EEG Technician EMT EKG Technician Neuro Technician Sterile Supply Technician Technician	Help Desk Administrator	Dental Tech Medical Assistant	Licensed Practical Nurse		Painter
HS Diploma (\$15k-\$36k)	Billing Clerk Financial Assistant Receptionist	EKG Technician Imaging Assistant			Nursing Assistant Transportation Aide Unit Clerk	Physical Therapy Aide	Dietary Aide Housekeeping Assistant Delivery Technician

Notes:

1. Job titles are shown with minimal educational requirement; many in these fields hold advanced degrees.
2. Several titles have more than one point of entry. For example, an individual licensed to sit for the Registered Nurse boards can be qualified by virtue of graduation from an associate degree program, diploma school (less common) or a bachelor's program.
3. Several of the post secondary education titles receive their training on the job.
4. In addition to titles shown, most health care facilities require (depending on size of organization) all of the usual support functions: public relations, marketing, accounts payable, receivable, payroll, compliance, legal, human resources, etc.

Biotechnology, Life, and Polymer Sciences

Expected Employability and/or Soft Skills

Integrity, Work Ethic, Communicator, Adaptor, Critical Thinker, Dependable

Trends

Biotechnology, Life, and Polymer Sciences encompass a broad range of occupations in medical devices, materials science, chemistry, product engineering, and even genome sciences. This emerging field employed nearly 1,600 in Summit County.

Job growth in biotechnology and life sciences is fueled by help from technology assistance programs like the Austen BioInnovation Institute (ABIA) in Akron and investments from the State of Ohio's Third Frontier program. Both entities are keenly aware of the region's potential as a hub for sustained and increased economic growth within the industry. ABIA is an Ohio Center of Excellence for Biomedicine and Health Care, future home of the Ohio Hub of Innovation and Opportunity for Biomaterials Commercialization and, along with its founding member, The University of Akron, winner of the prestigious U.S. Department of Commerce's 16 National Innovation Awards.

Wages

Earnings range from \$32,600 for Agricultural and Food Science Technicians to \$97,600 for Astronomers and Physicists.

[Note: Wages are averages of all occupations within the sector – including entry level and high level positions.]

For detailed information about occupations within this sector (e.g. current wage ranges per occupation, training schools, employment projections, and a link to jobs listed on the Labor Market Information website):

1. Go to <http://ohiolmi.com/proj/SocOccCodes.htm>,
2. Follow the instructions in the 'Occupational Profiles with Wages and Skills' section to start your search.

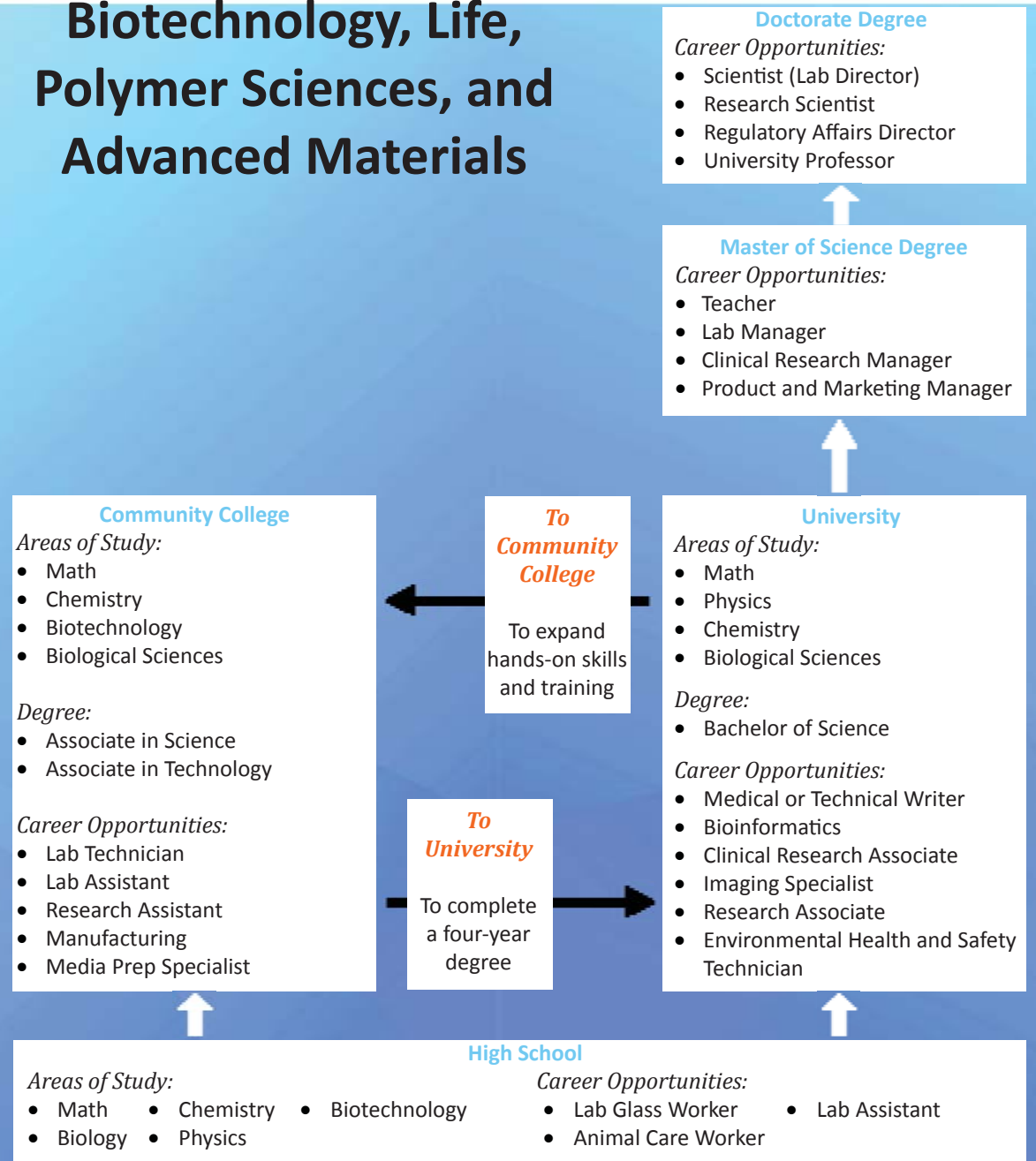
Top Life, Physical, and Social Science Occupations Jobs in Summit County (ranked by employment)

Occupation	Total Employment	Average Salary
Psychologists	216	\$63,800
Chemists and Materials Scientists	177	\$66,000
Miscellaneous Life, Physical, and Social Science Technicians	170	\$40,300
Environmental Scientists and Geoscientists	156	\$66,700
Medical Scientists	148	\$68,700
Chemical Technicians	145	\$40,600
Biological Scientists	104	\$60,200
Biological Technicians	91	\$37,800
Miscellaneous Social Scientists and Related Workers	56	\$63,100
Miscellaneous Physical Scientists	42	\$87,600
Agricultural and Food Scientists	41	\$58,800
Urban and Regional Planners	41	\$64,600
Social Science Research Assistants	35	\$36,000
Survey Researchers	28	\$37,400
Conservation Scientists and Foresters	26	\$53,500
Astronomers and Physicists	25	\$97,600
Agricultural and Food Science Technicians	22	\$32,600
Economists	17	\$82,600
Geological and Petroleum Technicians	17	\$49,400
Miscellaneous Life Scientists	15	\$61,200
Nuclear Technicians	12	\$59,800
Atmospheric and Space Scientists	12	\$78,900
Sociologists	4	\$69,100

Source: JobsEQ(R).

Note: Employment and average salary are for the 4 most recent quarters ending with the 2nd quarter of 2012

Career Paths in Biotechnology, Life, Polymer Sciences, and Advanced Materials



Information Technology

Expected Employability and/or Soft Skills

Integrity, Work Ethic, Communicator, Adaptor, Critical Thinker, Dependable

Trends

Core technology skills are an increasingly critical skill set for a broad spectrum of occupations and industry sectors, not just those traditionally associated with computers and high technology. Examples of some current in-demand jobs in Summit and Portage Counties include database administrators, network administrators, software engineers, and computer programmers.

More than 6,674 people are currently employed in information technology jobs in Summit County, a number that is expected to grow an average of 2.9% per year through 2022. These jobs will be based in a wide variety of companies: small technology consultancies, large employers, educational institutions, and even transportation companies.

Wages

The average annual wage for the broad job-related category, Computer and Mathematical operations, was \$70,100 in the 2nd quarter of 2012. Wages range from \$45,000 for computer support specialists to \$93,400 for computer research scientists.

[Note: Wages are averages of all occupations within the sector – including entry level and high level positions.]

For detailed information about occupations within this sector (e.g. current wage ranges per occupation, training schools, employment projections, and a link to jobs listed on the Labor Market Information website):

1. Go to <http://ohiolmi.com/proj/SocOccCodes.htm>,
2. Follow the instructions in the 'Occupational Profiles with Wages and Skills' section to start your search.

Top Information Technology Jobs in Summit County (ranked by total employment)

Occupation	Total Employment	Average Salary
Computer Support Specialists	1,295	\$45,000
Computer Systems Analysts	1,030	\$75,000
Software Developers, Applications	997	\$84,100
Network and Computer Systems Administrators	735	\$66,600
Software Developers, Systems Software	662	\$91,600
Computer Programmers	597	\$68,300
Information Security Analysts, Web Developers, and Computer Network Architects	553	\$73,600
Computer Occupations, All Other	303	\$68,800
Database Administrators	237	\$71,700
Operations Research Analysts	134	\$68,600
Actuaries	48	\$85,000
Statisticians	42	\$68,600
Computer and Information Research Scientists	34	\$93,400
Mathematicians	4	\$83,700
Mathematical Science Occupations, All Other	2	\$58,700
Mathematical Technicians	2	\$48,400

Source: JobsEQ(R).

Note: Employment and average salary are for the 4 most recent quarters ending with the 2nd quarter of 2012

Career Paths in Information Technology

Database Administration

Database Developer

Database Administrator

Business Database Specialist

Network Technical Support

Information Systems Manager

Network Systems and Data Analyst

Computer Systems Analyst

Network Administrator

Computer Support Specialist

Business Software Specialist

Data Entry / Office Software User

Software Development

Information Systems Manager

Computer Software Engineers / Applications

Programmer, Analyst

Programmer, Entry

Software QA and Tester

Social/Digital Media/Internet

Web Developer

Web Administrator

Video, Gaming, or Other Paths

Technical Writer, Multi-Media Artist or Graphic Designer

Desktop Publisher

Finance, Insurance and Real Estate (FIRE)

Expected Employability and/or Soft Skills

Integrity, Work Ethic, Communicator, Adaptor, Critical Thinker, Dependable

Trends

More than 12,728 people are currently employed in Finance, Insurance, and Real Estate jobs in Summit County. That figure is expected to grow by about 2.9% per year by 2022, or by about 362 jobs annually.

Wages

Earnings range from \$30,400 for Tax Preparers to \$74,600 for Management Analysts.

[Note: Wages are averages of all occupations within the sector – including entry level and high level positions.]

For detailed information about occupations within this sector (e.g. current wage ranges per occupation, training schools, employment projections, and a link to jobs listed on the Labor Market Information website):

1. Go to <http://ohiolmi.com/proj/SocOccCodes.htm>,
2. Follow the instructions in the 'Occupational Profiles with Wages and Skills' section to start your search.

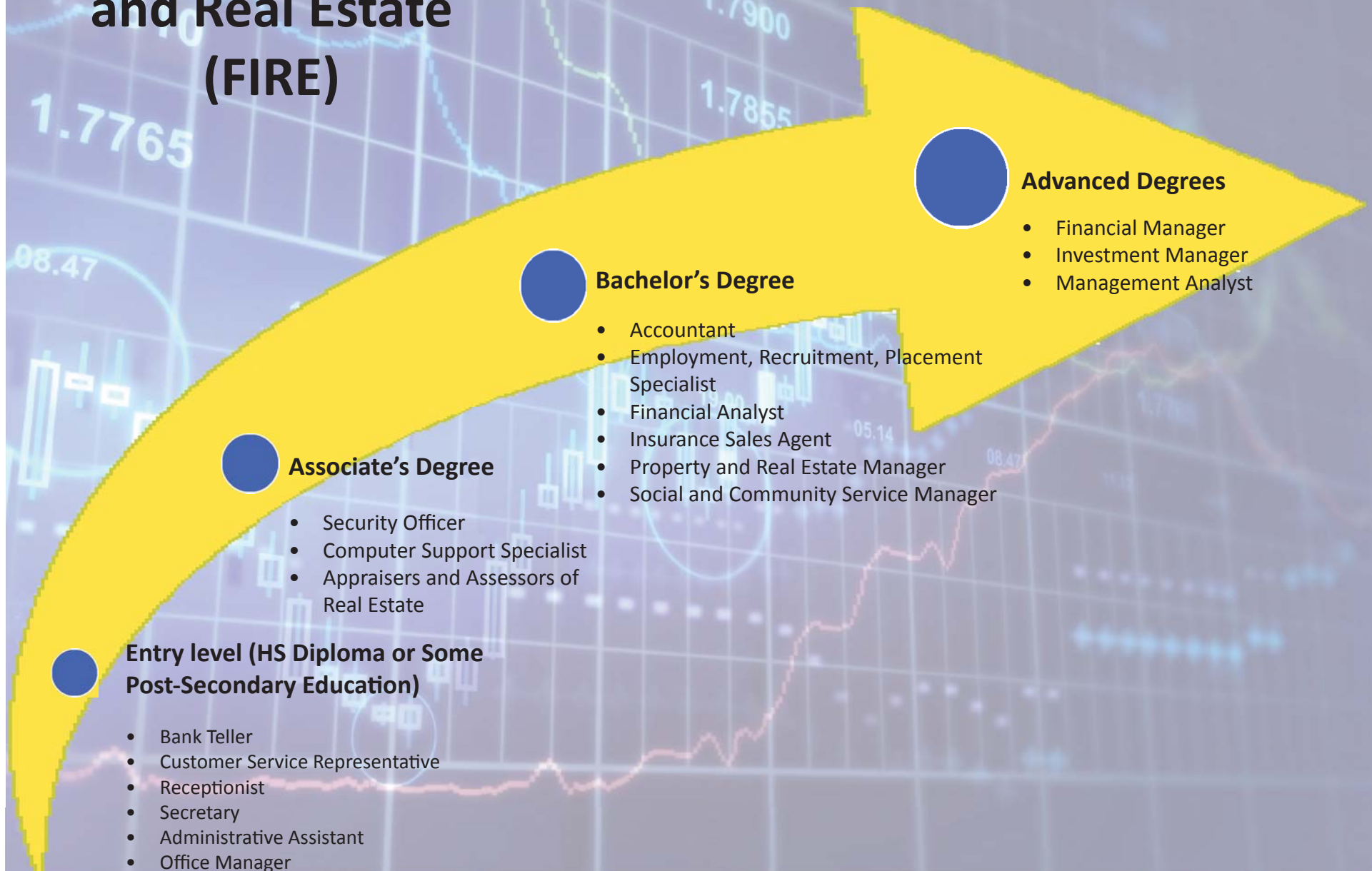
Top Finance, Insurance, and Real Estate in Jobs in Summit County (ranked by total employment)

Occupation	Total Employment	Average Salary
Accountants and Auditors	2,714	\$59,500
Business Operations Specialists, All Other	1,905	\$59,600
Management Analysts	1,009	\$74,600
Human Resources, Training, and Labor Relations Specialists	977	\$50,700
Market Research Analysts and Marketing Specialists	722	\$58,000
Purchasing Agents, Except Wholesale, Retail, and Farm Products	660	\$52,800
Claims Adjusters, Examiners, and Investigators	594	\$54,400
Financial Analysts	491	\$71,000
Training and Development Specialists	455	\$52,700
Cost Estimators	387	\$55,100
Compliance Officers	379	\$58,000
Wholesale and Retail Buyers, Except Farm Products	336	\$49,200
Loan Officers	330	\$55,900
Financial Specialists, All Other	283	\$56,600
Personal Financial Advisors	247	\$63,200
Compensation, Benefits, and Job Analysis Specialists	235	\$55,000
Insurance Underwriters	225	\$57,300
Tax Preparers	176	\$30,400
Credit Analysts	124	\$58,300
Budget Analysts	111	\$65,600
Meeting, Convention, and Event Planners	104	\$44,300
Appraisers and Assessors of Real Estate	64	\$49,900
Tax Examiners and Collectors, and Revenue Agents	58	\$45,800
Financial Examiners	48	\$67,200
Credit Counselors	42	\$36,500
Insurance Appraisers, Auto Damage	27	\$53,500
Buyers and Purchasing Agents, Farm Products	20	\$55,100
Agents / Business Managers of Artists / Performers / Athletes	5	\$58,100

Source: JobsEQ(R).

Note: Employment and average salary are for the 4 most recent quarters ending with the 2nd quarter of 2012

Career Paths in Finance, Insurance and Real Estate (FIRE)



Advanced Manufacturing, Transportation, and Logistics

Expected Employability and/or Soft Skills

Integrity, Work Ethic, Communicator, Adaptor, Critical Thinker, Dependable

Trends

Manufacturing-related occupations accounted for 37,810 employees in 2012; 14.7% of Summit County's total employment.

In Summit County, logistician jobs are projected to grow an average of 1.5% per year over the next 10 years, and transportation & materials moving jobs are projected to grow by an average of 0.9% over the next 10 years. Production jobs are expected to decline by 0.2% per year over the next 10 years.

Wages

The highest annual wage for Manufacturing, Transportation, and Logistics in Summit County was \$80,800 for Aircraft Pilots and Flight Engineers in 2012; the lowest was \$18,500 for Pressers, Textile, Garment, and Related Materials.

[Note: Wages are averages of all occupations within the sector – including entry level and high level positions.]

Source: JobsEQ(R)

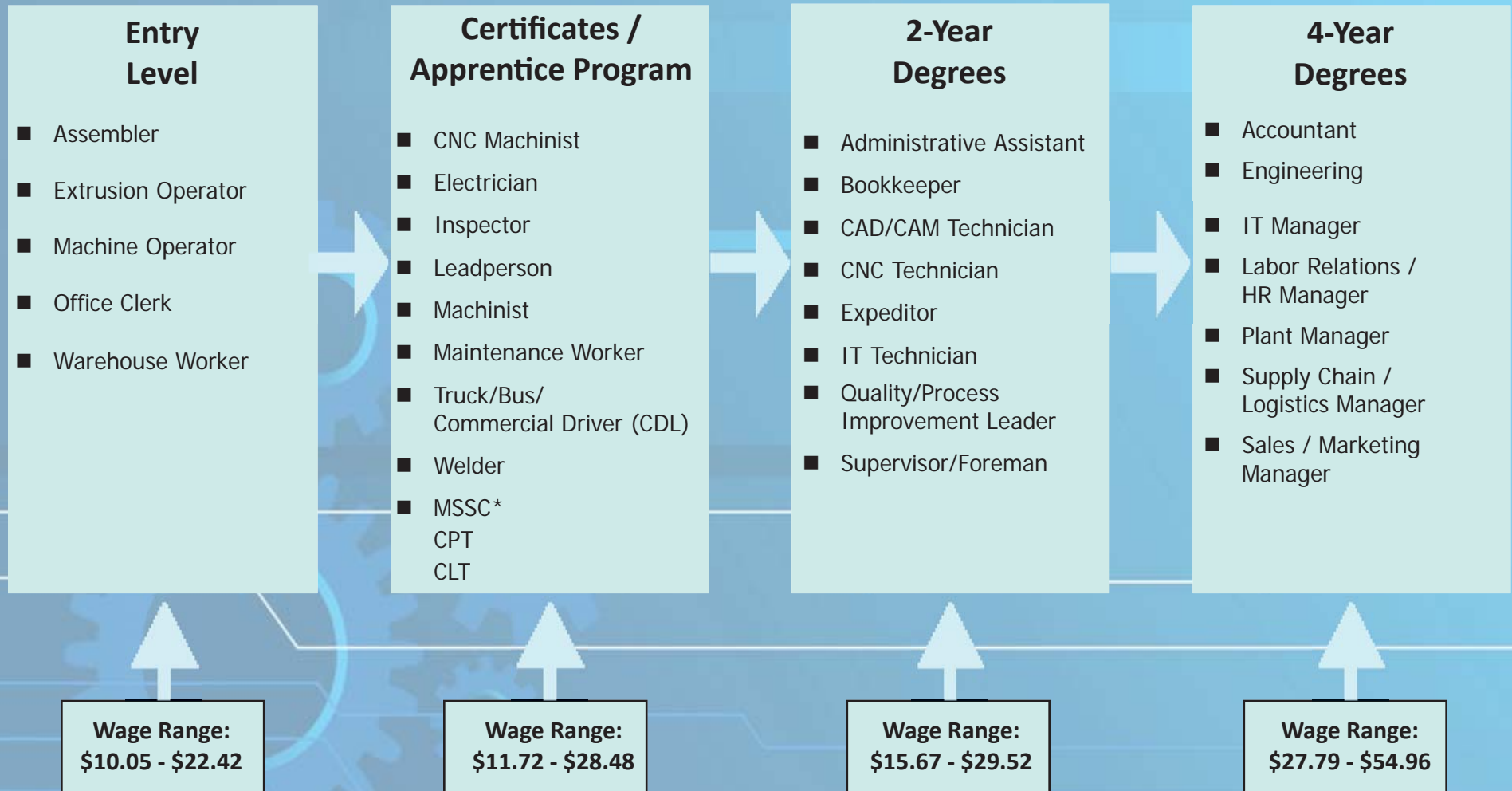
Note: Employment and average salary are for the 4 most recent quarters ending with the 2nd quarter of 2012

Top Manufacturing, Transportation, and Logistics Jobs in Summit County (ranked by total employment)

Occupation	Total Employment	Average Salary
Laborers & Material Movers, Hand	6,552	\$21,900
Driver/Sales Workers & Truck Drivers	5,994	\$32,700
Misc. Assemblers & Fabricators	2,937	\$25,500
Misc. Production Workers	1,542	\$25,600
First-Line Supervisors of Production & Operating Workers	1,414	\$50,800
Machinists	1,342	\$36,300
Machine Tool Cutting Setters/Operators/Tenders/Metal/Plastic	1,270	\$29,600
Inspectors, Testers, Sorters, Samplers, & Weighers	1,083	\$32,300
Welding, Soldering, & Brazing Workers	1,083	\$33,400
Industrial Truck & Tractor Operators	1,054	\$28,600
Bus Drivers	832	\$27,200
Packaging & Filling Machine Operators & Tenders	787	\$24,700
Printing Workers	750	\$31,800
Molders & Molding Machine Setters/Operators/Tenders/Metal/Plastic	665	\$26,500
Computer Control Programmers & Operators	616	\$34,600
Crushing, Grinding, Polishing, Mixing, & Blending Workers	543	\$30,900
Electrical, Electronics, & Electromechanical Assemblers	532	\$28,500
Forming Machine Setters, Operators, & Tenders, Metal & Plastic	494	\$30,600
Painting Workers	399	\$30,200
First-Line Supervisors of Transportation & Material-Moving Machine & Vehicle Operators	365	\$48,800
Butchers & Other Meat, Poultry, & Fish Processing Workers	364	\$25,500
Misc. Metal Workers & Plastic Workers	357	\$29,700
Tool & Die Makers	346	\$43,200
First-Line Supervisors of Helpers, Laborers, & Material Movers, Hand	343	\$42,100
Laundry & Dry-Cleaning Workers	325	\$18,800
Bakers	287	\$22,100
Multiple Machine Tool Setters, Operators, & Tenders, Metal & Plastic	286	\$30,900
Taxi Drivers & Chauffeurs	276	\$21,900
Extruding, Forming, Pressing, & Compacting Machine Setters, Operators, & Tenders	267	\$28,900
Logisticians	259	\$64,400
Chemical Processing Machine Setters, Operators, & Tenders	244	\$40,800

Occupation	Total Employment	Average Salary
Structural Metal Fabricators & Fitters	241	\$33,100
Automotive & Watercraft Service Attendants	212	\$19,000
Misc. Food Processing Workers	209	\$23,500
Misc. Plant & System Operators	201	\$53,600
Parking Lot Attendants	178	\$18,900
Cutting Workers	177	\$29,700
Medical, Dental, & Ophthalmic Laboratory Technicians	172	\$31,800
Water & Wastewater Treatment Plant & System Operators	152	\$40,700
Sewing Machine Operators	128	\$20,500
Misc. Motor Vehicle Operators	125	\$23,100
Aircraft Pilots & Flight Engineers	110	\$80,800
Refuse & Recyclable Material Collectors	107	\$30,800
Metal Furnace Operators, Tenders, Pourers, & Casters	103	\$32,100
Misc. Textile, Apparel, & Furnishings Workers	99	\$28,400
Engine & Other Machine Assemblers	93	\$37,300
Photographic Process Workers & Processing Machine Operators	83	\$22,600
Pressers, Textile, Garment, & Related Materials	78	\$18,500
Power Plant Operators, Distributors, & Dispatchers	70	\$63,500
Aircraft Structure, Surfaces, Rigging, & Systems Assemblers	66	\$42,200
Woodworking Machine Setters, Operators, & Tenders	65	\$25,100
Cabinetmakers & Bench Carpenters	65	\$29,400
Crane & Tower Operators	63	\$43,300
Sailors & Marine Oilers	56	\$33,100
Dredge, Excavating, & Loading Machine Operators	56	\$35,200
Stationary Engineers & Boiler Operators	56	\$49,900
Textile Machine Setters, Operators, & Tenders	56	\$23,800
Flight Attendants	52	\$35,700
Jewelers & Precious Stone & Metal Workers	52	\$31,400
Conveyor Operators & Tenders	50	\$27,900
Furnace, Kiln, Oven, Drier, & Kettle Operators & Tenders	47	\$33,800
Model Makers & Patternmakers, Metal & Plastic	44	\$39,600

Career Paths in Advanced Manufacturing



* MSSC = Manufacturing Skill Standards Council
 CPT = Certified Production Technician
 CLT = Certified Logistics Technician

Chart Source: US Department of Labor, Cleveland-Akron-Elyria OH Compensation Survey - January 2008

Skilled Trades

Expected Employability and/or Soft Skills

Integrity, Work Ethic, Communicator, Adaptor, Critical Thinker, Dependable

Trends

Skilled trades (which include construction, extraction, installation, maintenance, and repair-related occupations), accounted for 17,919 employees; about 7.0% of Summit County's combined total employment through the 2nd quarter of 2012.

Occupations associated with skilled trades are projected to grow faster than the total employment in Summit County. Total employment projected is expected to grow by an average of 0.8% per year over the next 10 years, while jobs related to construction and extraction occupations are projected to grow by 1.3% per year over the next 10 years. Installation, maintenance, and repair occupations are expected to grow by 0.9% per year over the next 10 years.

Wages

The average annual wage in Summit County for construction and extraction jobs through the 2nd quarter of 2012 was \$38,800, while the average annual wage for installation, maintenance, and repair jobs was \$38,600. Earnings range from \$70,700 for elevator installers and repairers to \$22,800 for vehicle and mobile equipment mechanics, installers, and repairers.

[Note: Wages are averages of all occupations within the sector – including entry level and high level positions.]

For detailed information about occupations within this sector (e.g. current wage ranges per occupation, training schools, employment projections, and a link to jobs listed on the Labor Market Information website):

1. Go to <http://ohiolmi.com/proj/SocOccCodes.htm>,
2. Follow the instructions in the 'Occupational Profiles with Wages and Skills' section to start your search.

* Source: JobsEQ(R)

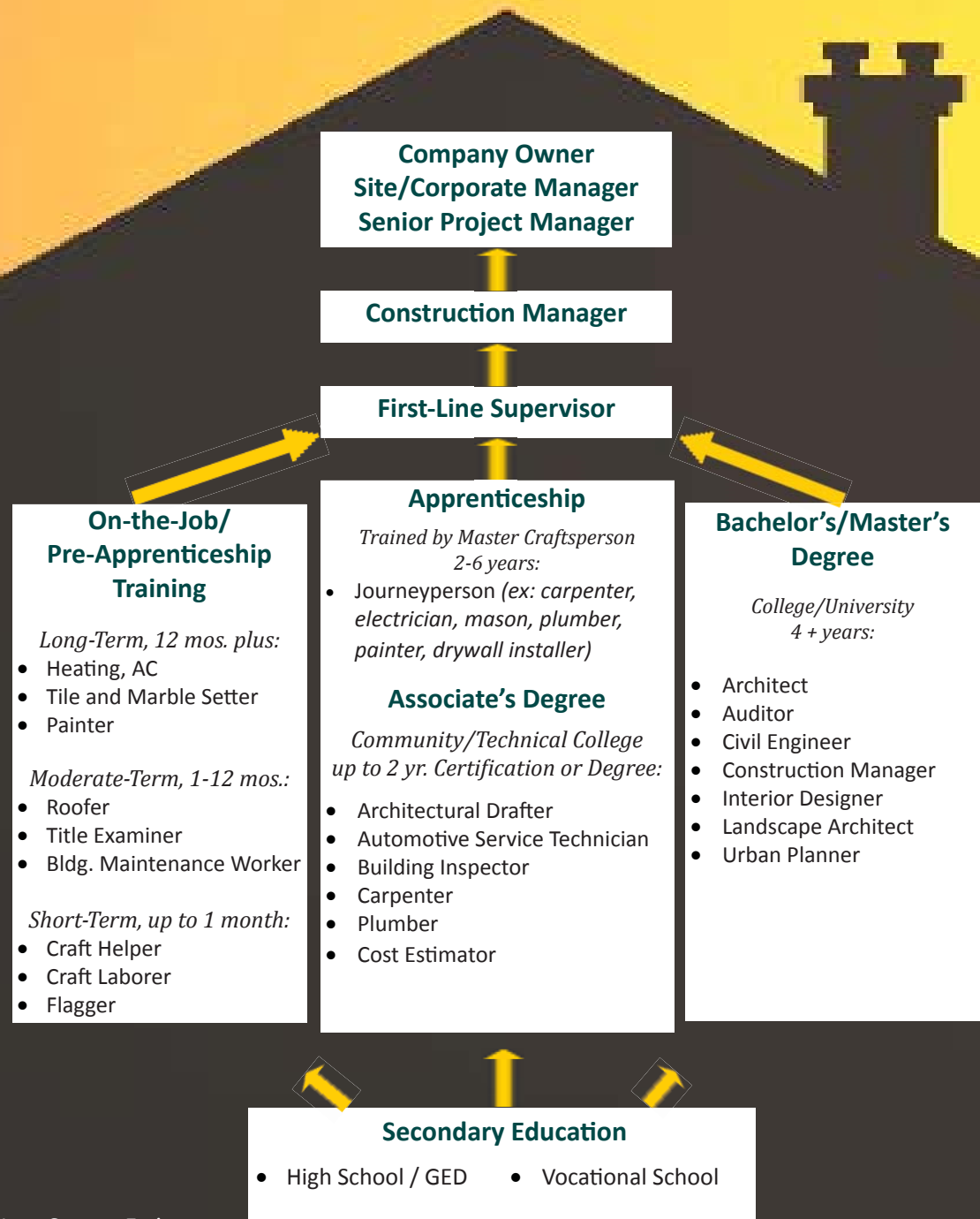
Top Skilled Trade Jobs in Summit County (ranked by total employment)

Occupation	Total Employment	Average Salary
Maintenance & Repair Workers, General	2,166	\$34,000
Automotive Technicians & Repairers	1,764	\$34,300
Construction Laborers	1,280	\$28,100
Electricians	1,020	\$46,200
Industrial Machinery Installation, Repair, & Maintenance Workers	1,005	\$42,700
Carpenters	897	\$37,900
First-Line Supervisors of Mechanics, Installers, & Repairers	830	\$55,500
Pipelayers, Plumbers, Pipefitters, & Steamfitters	746	\$44,100
First-Line Supervisors of Construction Trades & Extraction Workers	698	\$55,800
Construction Equipment Operators	547	\$39,600
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	462	\$40,600
Misc. Electrical & Electronic Equipment Mechanics, Installers, & Repairers	438	\$41,400
Bus & Truck Mechanics & Diesel Engine Specialists	435	\$39,100
Helpers, Construction Trades	425	\$25,100
Misc. Installation, Maintenance, & Repair Workers	383	\$25,900
Misc. Vehicle & Mobile Equipment Mechanics, Installers, & Repairers	373	\$22,800
Line Installers & Repairers	370	\$52,000
Radio & Telecommunications Equipment Installers & Repairers	354	\$49,600
Painters & Paperhangers	309	\$33,300
Heavy Vehicle & Mobile Equipment Service Technicians & Mechanics	304	\$38,800
Sheet Metal Workers	282	\$38,600
Cement Masons, Concrete Finishers, & Terrazzo Workers	245	\$33,600
Computer, Automated Teller, & Office Machine Repairers	239	\$34,800
Roofers	183	\$33,200
Drywall Installers, Ceiling Tile Installers, & Tapers	150	\$36,100
Brickmasons, Blockmasons, & Stonemasons	136	\$42,200
Highway Maintenance Workers	135	\$34,600
Precision Instrument & Equipment Repairers	134	\$41,300
Small Engine Mechanics	125	\$30,500
Aircraft Mechanics & Service Technicians	120	\$52,100
Construction & Building Inspectors	117	\$50,100
Control & Valve Installers & Repairers	116	\$44,200
Carpet, Floor, & Tile Installers & Finishers	111	\$34,400
Structural Iron & Steel Workers	101	\$44,600
Insulation Workers	95	\$33,500
Boilermakers	87	\$46,000
Glaziers	79	\$35,500
Home Appliance Repairers	66	\$35,700
Elevator Installers & Repairers	45	\$70,700
Fence Erectors	41	\$27,900
Plasterers & Stucco Masons	40	\$34,200
Hazardous Materials Removal Workers	40	\$35,800
Reinforcing Iron & Rebar Workers	28	\$36,400
Septic Tank Servicers & Sewer Pipe Cleaners	28	\$31,600
Earth Drillers, Except Oil & Gas	16	\$38,000
Derrick, Rotary Drill, & Service Unit Operators, Oil, Gas, & Mining	15	\$42,600

Source: JobsEQ(R).

Note: Employment and average salary are for the 4 most recent quarters ending with the 2nd quarter of 2012

Career Paths in Skilled Trades



Sources: Ohio Labor Market Information, Occupational Wage Survey Estimates, Home Builder's Institute and AGC Education Foundation

Occupational trends are only one aspect of career choice and education planning. Other factors to consider include wages, job satisfaction, general unemployment patterns, method of obtaining the required education or training, and working conditions. Use the following resources for additional information.

The **Ohio Job Outlook** includes industry and occupational employment projections for the State of Ohio.

<http://OhioLMI.com/proj/OhioJobOutlook.htm>

The **Occupational Outlook Handbook** offers national information about required training and education, earnings, job prospects, what workers do on the job and working conditions.

<http://www.bls.gov/oco/>

Local **One-Stop Offices** can offer assistance with career decisions.

<http://jfs.ohio.gov/workforce/jobseekers/onestopmap.stm>

Visit **Ohio Means Jobs** to post your resume and search for job opportunities.

<http://OhioMeansJobs.com>

Ohio

John R. Kasich, Governor
State of Ohio
<http://Ohio.gov>

Michael B. Colbert, Director
Ohio Department of Job and Family Services
<http://jfs.ohio.gov>

Office of Workforce Development
<http://jfs.ohio.gov/owd/>

Bureau of Labor Market Information
<http://OhioLMI.com>
Phone: 1-888-296-7541 or 614-752-9494

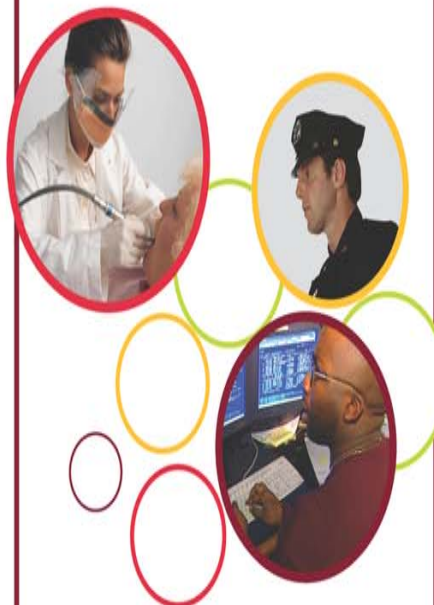
An Equal Opportunity Employer and Service Provider

JFS 77100 (Rev. 2/2011)

Ohio

Department of
Job and Family Services

Occupational Trends



2008-2018

Occupational Trends 2008-2018

Identifying occupations with favorable job prospects is important when making career decisions. Several factors need to be considered. The two most important are the employment growth rate and total job openings.

Jobs with fast growth rates generally offer good job opportunities.

However, large occupations with slow or moderate job growth often provide more job openings than small, fast-growing occupations. For example, physicians assistants are expected to grow by 33.5%, with 99 job openings a year, while

cashiers are expected to grow by less than one percent, but will provide 6,230 openings per year. Therefore, it is important to look at both the rates of growth and total annual openings to determine future job prospects.

The fastest growing occupations, based on rate of employment growth, offer good employment opportunities and working conditions favorable for wage advances. More than 60% of fast growing occupations require at least an associate degree. The projected employment growth rates of these occupations is 28.9% compared to the average projected employment growth of about 4.3% for all occupations combined, but annual openings may be few. The growth rate of the 30 fastest growing occupations is 33.9%.

Service and professional occupations, particularly in the fields of health, business, and education, dominate the list of occupations that are gaining the most employment or are growing the fastest.

Jobs will be available at all education levels.

Not surprisingly, among the 100 highest paying jobs, 91 require at least an associate degree. Jobs requiring at least some formal training after high school will grow at a faster than the average rate of 9.8%, compared to the statewide projected average of 4.3%. Jobs needing on-the-job training or work experience are projected to grow by only 2.3%.

Total annual openings result from new job growth and replacement job openings due to retirements, deaths or leaving an occupation for a different job. Many occupations with the most annual openings have high employment and high replacement needs and tend to be lower skilled. However, in 2008, more than one in four of the jobs required training after high school.

Most job openings in the majority of occupations result from the need to replace workers who leave the labor force or transfer to another occupation. Therefore, even declining occupations provide opportunities for employment, although job prospects are generally not as favorable as in growing occupations. Declining occupations in Ohio that will have substantial replacement needs include janitors and cleaners; team assemblers; and first-line supervisors and managers of retail sales workers.



Today's Decisions... Your Future

Students should evaluate interests, skills, aptitudes and experience when choosing careers. However, another factor to consider is the number of job opportunities that are likely to be available upon graduation. In addition to the expected number of annual openings, the number of students entering a career field affects how easy or difficult it may be to find a job.

Education Pays

Education and training can benefit workers in their careers. Typically, the more education, the higher the weekly earnings and the lower unemployment.



2009 U.S. Median Weekly Earnings* in the United States

Doctoral degree	\$1,532
Professional degree	\$1,529
Master's degree	\$1,257
Bachelor's degree	\$1,025
Associate degree	\$761
Some college, no degree	\$699
High school graduate	\$626
Less than high school	\$454

2009 Unemployment Rates in the United States

Doctoral degree	2.5%
Professional degree	2.3%
Master's degree	3.9%
Bachelor's degree	5.2%
Associate degree	6.8%
Some college, no degree	8.6%
High school graduate	9.7%
Less than high school	14.6%

* Earnings for full-time wage and salary workers, ages 25 and older.
Source: U.S. Bureau of Labor Statistics

Occupations in Ohio with High-Employment Prospects

The occupations listed below offer an average wage of \$15.30 an hour and are projected to have at least 500 annual openings.

	Average Annual Openings	Average Wage May 2009
SHORT-TERM ON-THE-JOB TRAINING		
Truck Drivers, Heavy and Tractor-Trailer	2,271	\$18.84
MODERATE-TERM ON-THE-JOB TRAINING		
Customer Service Representatives	3,644	\$15.56
Bookkeeping, Accounting and Auditing Clerks	1,221	\$15.87
General Maintenance and Repair Workers	1,139	\$17.38
Construction Laborers	552	\$18.50
LONG-TERM ON-THE-JOB TRAINING		
Fire Fighters	796	\$19.79
Carpenters	789	\$19.39
Electricians	681	\$23.16
Police and Sheriff's Patrol Officers	641	\$25.11
WORK EXPERIENCE IN A RELATED OCCUPATION		
Wholesale & Mfg. Sales Reps., ex. Tech. & Scientific Products	1,646	\$28.29
First-Line Supervisors & Managers of Office & Admin. Support	1,340	\$23.09
First-Line Supervisors & Managers of Retail Sales Workers	1,265	\$18.01
Executive Secretaries & Administrative Assistants	924	\$19.90
Wholesale & Mfg. Sales Reps. of Technical & Scientific Products	647	\$37.37
First-Line Supervisors & Managers of Production/Operating Workers	504	\$25.79
POSTSECONDARY VOCATIONAL AWARD		
Licensed Practical & Licensed Vocational Nurses	2,022	\$19.19
Insurance Sales Agents	840	\$27.50
Automotive Service Technicians and Mechanics	547	\$17.35
ASSOCIATE DEGREE		
Registered Nurses [†]	4,175	\$28.72
Computer Support Specialists	899	\$20.07
BACHELOR'S DEGREE		
Secondary School Teachers, except Special & Vocational Educ.	1,676	\$54,530*
Accountants & Auditors	1,509	\$30.21
Elementary School Teachers, except Special Education	1,275	\$51,970*
Computer Software Engineers, Applications	848	\$39.17
Network Systems & Data Communication Analysts	721	\$34.38
Computer Systems Analysts	676	\$37.42
Middle School Teachers, except Special & Vocational Education	579	\$50,620*
WORK EXPERIENCE PLUS A BACHELOR'S OR HIGHER DEGREE		
General and Operations Managers	909	\$54.48
Management Analysts	599	\$37.46

[†] Training is met through a two-year associate degree, a three-year diploma or a four-year bachelor's degree.

* Annual earnings, typically for a 9½ month school year.

Ohio's Fastest Growing Occupations[†] 2008-2018

Occupational Title	Projected Employment Growth Rate	Average Annual Openings	Average Wage May 2009
Home Health Aides	47.9%	3,487	\$9.78
Personal & Home Care Aides	44.6%	790	\$9.91
Network Systems & Data Communication Analysts	43.2%	721	\$34.38
Skin Care Specialists	37.9%	50	\$15.18
Athletic Trainers	35.6%	60	\$42,860*
Physician Assistants	33.5%	99	\$40.33
Biochemists & Biophysicists	31.6%	48	\$33.07
Physical Therapist Assistants	31.5%	220	\$24.61
Applications Computer Software Engineers	31.1%	848	\$39.17
Financial Examiners	30.7%	43	\$36.46
Occupational Therapist Assistants	30.0%	108	\$24.66
Physical Therapist Aides	29.8%	55	\$11.69
Medical Assistants	29.2%	889	\$13.16
Medical Scientists, except Epidemiologists	28.7%	87	\$32.99
Veterinary Technologists & Technicians	28.4%	147	\$14.13
Veterinarians	27.1%	92	\$43.55
Self-Enrichment Education Teachers	26.2%	303	\$20.41
Pharmacy Technicians	26.0%	760	\$12.52
Dental Assistants	25.2%	438	\$15.54
Dental Hygienists	25.1%	323	\$29.82
Research Computer & Information Scientists	24.7%	38	\$48.39
Computer Software Engineers of Systems Software	24.4%	334	\$39.97
Heating, AC & Refrigeration Mechanics & Installers	24.0%	458	\$22.25
Optometrists	23.7%	65	\$61.08
Employment, Recruitment & Placement Specialists	23.6%	370	\$24.75
Cargo & Freight Agents	23.6%	101	\$17.63
Mental Health Counselors	23.6%	180	\$20.99
Physical Therapists	23.4%	271	\$36.22
Emergency Management Specialists	23.1%	24	\$26.03
Market Research Analysts	22.8%	436	\$30.21

[†] Occupations with at least 500 employment.

* Annual earnings.

Occupations in Ohio with the Most Annual Job Openings 2008-2018

Occupational Title	Average Annual Openings	Average Wage May 2009
Cashiers	6,230	\$8.75
Waiters & Waitresses	5,413	\$8.99
Comb. Food Preparation & Serving Workers, inc. Fast Food	4,794	\$8.31
Retail Salespersons	4,457	\$11.46
Registered Nurses	4,175	\$28.72
Hand Laborers and Freight, Stock & Material Movers	3,883	\$12.40
Customer Service Representatives	3,644	\$15.56
Home Health Aides	3,487	\$9.78
Heavy & Tractor-Trailer Truck Drivers	2,271	\$18.84
General Office Clerks	2,131	\$13.02
Stock Clerks & Order Fillers	2,110	\$11.08
Licensed Practical & Licensed Vocational Nurses	2,022	\$19.19
Nursing Aides, Orderlies & Attendants	1,949	\$11.57
Janitors & Cleaners, except Maids & Housekeeping Cleaners	1,781	\$11.71
Secondary School Teachers, except Special & Vocational Ed.	1,676	\$54,530*
Wholesale & Mfg Sales Reps., ex. Tech. & Scientific Products	1,646	\$28.29
Accountants & Auditors	1,509	\$30.21
Child Care Workers	1,428	\$10.59
Team Assemblers	1,375	\$14.63
First-Line Supervisors/Managers of Office & Admin. Support	1,340	\$23.09
Medical Secretaries	1,278	\$13.72
Elementary School Teachers, except Special Education	1,275	\$51,970*
First-Line Supervisors & Managers of Retail Sales Workers	1,265	\$18.01
Bookkeeping, Accounting and Auditing Clerks	1,221	\$15.87
Receptionists and Information Clerks	1,179	\$11.50
General Maintenance and Repair Workers	1,139	\$17.38
Restaurant, Lounge & Coffee Shop Hosts & Hostesses	1,136	\$8.52
Food Preparation Workers	1,124	\$9.68
Landscaping & Groundskeeping Workers	1,011	\$11.20
Hairdressers, Hairstylists & Cosmetologists	999	\$11.78

* Annual earnings, typically for a 9½ month school year.

What are the Buckeye Top Fifty?

- The Buckeye Top Fifty are high-wage occupations in Ohio that are in demand by employers and are projected to stay in demand.
- The Top Fifty pay average annual earnings of more than \$62,000.
- Within each occupational cluster, occupations are ranked by the total expected annual openings.

Why do I care?

When considering a career, examine the number of current job openings, projected growth for the career, average wages and educational requirements. It is important to note that almost all of these high-wage jobs require postsecondary education and training.

Job
opportunities
in high-wage jobs
require education
and training.

For more information...

Visit Ohio Labor Market Information on the web at <http://OhioLMI.com> or contact us at 1-888-296-7541 or 1-614-752-9494. To locate jobs in high-wage occupations, go to <http://www.OhioMeansJobs.com>.

Ted Strickland, Governor
State of Ohio

Douglas E. Lumpkin, Director
Ohio Department of Job and Family Services

Office of Workforce Development
Bureau of Labor Market Information

Ohio Department of
Job and Family Services

Buckeye Top Fifty: 2006-2016 Ohio's High-Wage Occupations in Demand



	2006 Employment	Total Annual Openings	Projected Change in Employment 2006 - 2016	Projected Percent Change	Average Annual Earnings	Education	Top Three Skills
Business Cluster							
Customer Service Representatives	87,330	3,958	15,260	17.5%	\$31,210	Moderate-Term On-The-Job Training	Active Listening, Reading Comprehension, Monitoring
Accountants & Auditors	49,080	1,357	4,940	10.1%	\$59,080	Bachelor's Degree	Mathematics, Critical Thinking, Active Learning
Management Analysts	23,600	706	3,030	12.8%	\$76,440	Bachelor's or Higher Degree, plus Work Experience	Critical Thinking, Judgment & Decision Making, Active Listening
Lawyers	22,570	642	2,140	9.5%	\$100,760	First Professional Degree	Reading Comprehension, Judgment & Decision Making, Writing
Securities, Commodities & Financial Services Sales Agents	13,960	542	1,840	13.2%	\$67,850	Bachelor's Degree	Active Listening, Speaking, Reading Comprehension
Cost Estimators	10,770	379	1,590	14.8%	\$58,080	Bachelor's Degree	Active Listening, Reading Comprehension, Mathematics
Training & Development Specialists	7,860	276	1,070	13.6%	\$49,990	Bachelor's or Higher Degree, plus Work Experience	Active Listening, Speaking, Time Management
Employment, Recruitment & Placement Specialists	5,790	210	850	14.7%	\$48,490	Bachelor's Degree	Reading Comprehension, Active Listening, Service Orientation
Paralegals & Legal Assistants	6,320	207	1,240	19.6%	\$43,760	Associate Degree	Speaking, Time Management, Active Listening
Financial Analysts	6,920	202	1,630	23.6%	\$69,950	Bachelor's Degree	Reading Comprehension, Time Management, Active Listening
Personal Financial Advisors	4,700	202	1,600	34.0%	\$85,370	Bachelor's Degree	Active Listening, Speaking, Mathematics
Social & Community Service Managers	3,350	146	820	24.5%	\$58,140	Bachelor's Degree	Active Listening, Social Perceptiveness, Speaking
Appraisers & Assessors of Real Estate	2,880	140	820	28.5%	\$48,920	Bachelor's Degree	Reading Comprehension, Mathematics, Time Management
Market Research Analysts	6,970	139	920	13.2%	\$63,760	Bachelor's Degree	Reading Comprehension, Time Management, Writing
Construction							
Construction Managers	11,290	332	1,570	13.9%	\$93,190	Bachelor's Degree	Critical Thinking, Active Listening, Monitoring
Community & Social Service							
Child, Family & School Social Workers	8,200	330	1,560	19.0%	\$35,540	Bachelor's Degree	Speaking, Active Listening, Monitoring
Religious Activities & Education Directors	6,570	280	1,290	19.6%	\$40,180	Bachelor's Degree	Speaking, Management of Personnel Resources, Active Listening
Medical & Public Health Social Workers	5,970	272	1,460	24.5%	\$43,020	Bachelor's Degree	Active Listening, Writing, Reading Comprehension
Mental Health & Substance Abuse Social Workers	5,200	265	1,550	29.8%	\$35,670	Master's Degree	Active Listening, Social Perceptiveness, Critical Thinking
Mental Health Counselors	2,780	138	830	29.9%	\$41,280	Master's Degree	Active Listening, Social Perceptiveness, Critical Thinking
Substance Abuse & Behavioral Disorder Counselors	2,470	134	840	34.0%	\$38,530	Bachelor's Degree	Active Listening, Social Perceptiveness, Service Orientation
Education							
Postsecondary Teachers	45,900	1,547	7,790	17.0%	\$66,157	Doctoral Degree	Instructing, Reading Comprehension, Critical Thinking
Preschool, Kindergarten & Elementary Special Education Teachers	8,470	304	1,160	13.7%	\$50,780	Bachelor's Degree	Instructing, Active Listening, Learning Strategies
Self-Enrichment Education Teachers	6,600	207	1,360	20.6%	\$33,920	Work Experience in a Related Occupation	Instructing, Speaking, Active Listening
Instructional Coordinators	6,110	188	1,040	17.0%	\$61,660	Master's Degree	Reading Comprehension, Active Listening, Critical Thinking
Health Care							
Registered Nurses	113,050	4,425	25,590	22.6%	\$57,320	Associate Degree	Active Listening, Reading Comprehension, Critical Thinking
Licensed Practical & Licensed Vocational Nurses	38,690	1,593	5,380	13.9%	\$38,630	Postsecondary Vocational Award	Active Listening, Speaking, Coordination
Physicians & Surgeons	28,600	845	3,290	11.5%	\$168,126	First Professional Degree	Reading Comprehension, Active Listening, Critical Thinking
Dental Assistants	10,040	383	2,090	20.8%	\$31,050	Moderate-Term On-The-Job Training	Active Listening, Reading Comprehension, Speaking
Medical & Health Services Managers	10,910	368	1,640	15.0%	\$77,800	Bachelor's or Higher Degree, plus Work Experience	Active Listening, Reading Comprehension, Critical Thinking
Pharmacists	10,010	326	1,530	15.3%	\$95,750	First Professional Degree	Active Listening, Speaking, Reading Comprehension
Radiologic Technologists & Technicians	9,740	262	1,300	13.3%	\$47,570	Associate Degree	Active Listening, Speaking, Reading Comprehension
Dental Hygienists	6,320	253	1,320	20.9%	\$61,260	Associate Degree	Active Listening, Speaking, Reading Comprehension
Physical Therapists	6,820	251	1,690	24.8%	\$72,380	Master's Degree	Active Listening, Instructing, Time Management
Physical Therapist Assistants	4,590	205	1,460	31.8%	\$47,100	Associate Degree	Active Listening, Reading Comprehension, Time Management
Respiratory Therapists	5,350	198	1,190	22.2%	\$47,340	Associate Degree	Active Listening, Instructing, Reading Comprehension
Surgical Technologists	3,440	182	770	22.4%	\$36,110	Postsecondary Vocational Award	Active Listening, Monitoring, Speaking
Occupational Therapists	4,210	159	970	23.0%	\$70,630	Master's Degree	Active Listening, Reading Comprehension, Service Orientation
Occupational Therapist Assistants	2,370	96	600	25.3%	\$47,670	Associate Degree	Active Listening, Time Management, Instructing
Veterinarians	1,920	96	580	30.2%	\$90,610	First Professional Degree	Active Listening, Reading Comprehension, Critical Thinking
Physician Assistants	1,580	59	370	23.4%	\$79,280	Master's Degree	Active Listening, Active Learning, Speaking
Information Technology & Engineering							
Computer Software Engineers, Applications	16,440	880	6,400	38.9%	\$77,560	Bachelor's Degree	Programming, Critical Thinking, Complex Problem Solving
Computer Systems Analysts	15,490	730	3,190	20.6%	\$71,150	Bachelor's Degree	Active Learning, Reading Comprehension, Complex Problem Solving
Network Systems & Data Communications Analysts	7,970	544	3,820	47.9%	\$71,390	Bachelor's Degree	Equipment Selection, Troubleshooting, Complex Problem Solving
Network & Computer Systems Administrators	12,020	523	2,490	20.7%	\$62,360	Bachelor's Degree	Reading Comprehension, Troubleshooting, Active Listening
Industrial Engineers	12,990	481	1,680	12.9%	\$70,450	Bachelor's Degree	Critical Thinking, Active Listening, Time Management
Computer Software Engineers, Systems Software	7,330	266	1,590	21.7%	\$81,470	Bachelor's Degree	Complex Problem Solving, Technology Design, Troubleshooting
Database Administrators	4,960	174	1,210	24.4%	\$67,530	Bachelor's Degree	Active Learning, Troubleshooting, Critical Thinking
Environmental Engineers	1,850	99	450	24.3%	\$77,020	Bachelor's Degree	Reading Comprehension, Speaking, Active Listening
Health Educators	1,610	61	420	26.1%	\$42,900	Bachelor's Degree	Instructing, Active Listening, Speaking

Selected jobs are based on growth factors in Ohio's 2006 to 2016 Occupational Projections. Included occupations were ranked in the top 200 projected new jobs and top 200 in percentage growth with average annual earnings of at least \$30,888 per year. Average annual earnings are from the May 2007 Occupational Employment Statistics (OES) survey in Ohio. Teacher earnings are typically for a 9-month year. Listings in each group are ranked by total annual openings. Total annual openings are the sum of projected new job growth annually plus the estimated net replacement needs, generally due to retirements.

December 2008

Map Your Career



Add the industry you are planning a career in here

As you plan your career in one industry, identifying your **transferable skills** is important.

What skills do you bring with you from another industry/occupation that can be transferred to this industry, and may be helpful as you move into a different industry in the future?

1. _____
2. _____
3. _____
4. _____
5. _____

For detailed information about occupations within a sector (such as schools, employment projections, current wage ranges and a link to jobs listed at WorkSource):

- Go to <http://ohiolmi.com/jobs/careers.htm>
- Click on the “Occupational Profiles with Wages and Skills” link, and follow the instructions on the page.

Occupation: _____

Average starting wage per hour: _____

Required training/experience: _____

Training institution: _____

Length of training: _____

Training cost: _____

Occupation: _____

Average starting wage per hour: _____

Required training/experience: _____

Training institution: _____

Length of training: _____

Training cost: _____

Occupation: _____

Average starting wage per hour: _____

Required training/experience: _____

Training institution: _____

Length of training: _____

Training cost: _____

Start
here

Summit County

The Job Center 
1040 East Tallmadge Ave.
Akron, Ohio 44310
330-633-1050
www.thejobcenter.biz



"Map Your Career" was adapted for use in Summit County, Ohio with permission from The Workforce Development Council of Seattle-King County.
For additions or corrections, please call
800-989-8428, ext. 100.

The 2012-2014 version of this document
was sponsored locally by:



**Summit
2020**
A Quality of Life Project