

<http://www.discover.arkansas.gov/Industry/High-Demand-Targeted-Industries>

# High Demand Targeted Industries

The Arkansas Economic Development Commission (AEDC) has identified 15 Targeted Industry Sectors for the State of Arkansas. Click on the links below for information about each Sector.

[Advanced Food Manufacturing and Packaging](#)  
[Aerospace and Aviation](#)  
[Biosciences](#)  
[Data Centers](#)  
[Distribution and Logistics Services](#)  
[Firearms and Ammunition](#)  
[Paper and Timber Products](#)  
[Regional Headquarters](#)  
[Smart Grid Technologies \(Power Electronics\)](#)  
[Software Development and Data Management Services](#)  
[Steel Production](#)  
[Sustainable Building Products and Fixtures](#)  
[Technological Support Services](#)  
[Transportation Equipment Manufacturing](#)  
[Walmart Suppliers](#)

## Industry Supersector Outlook

Industry Supersector	2-year historical (2014-2016) growth rate:	2-year projected (2016-2018) growth rate:
Natural Resources and Mining	-9.81%	-1.90%
Construction	11.75%	7.18%
Manufacturing	0.70%	0.93%
Trade Transportation and Utilities	5.13%	2.82%
Information	-2.18%	-1.79%
Financial Activities	2.87%	3.43%
Professional and Business Services	6.30%	4.74%
Education and Health Services	1.69%	3.29%
Leisure and Hospitality	8.03%	4.97%
Other Services (Except Government)	2.63%	3.87%
Government	0.53%	1.25%

## Top 10 Occupations by Education Level - Arkansas

For years we have been asked, "What are the top 10 occupations for someone with a certain level of education?" The following information was compiled by the Labor Market Information section of the Department of Workforce Services to help answer this question. For each education level (High School Diploma or Less, Associate Degree / Post Secondary Training, Bachelor's Degree or Higher), we have listed Arkansas' top 10 occupations according to the projected number of annual job openings. Job opening information was obtained from the 2016-2018 Short-Term Projections.

### High School Diploma or Less

1. Combined Food Preparation and Serving Workers, Including Fast Food
2. Retail Salespersons
3. Farmers, Ranchers, and Other Agricultural Managers
4. Cashiers
5. Laborers and Freight, Stock, and Material Movers, Hand
6. Personal Care Aides
7. Waiters and Waitresses
8. Offices Clerks, General
9. Janitors and Cleaners, Except Maids and Housekeeping Cleaners
10. Secretaries and Administrative Assistants, Except Legal, Medical, and Executive

### Associate Degree / Post Secondary Training

1. Heavy and Tractor-Trailer Truck Drivers
2. Nursing Assistants
3. Teacher Assistants
4. Licensed Practical and Licensed Vocational Nurses
5. Automotive Service Technicians and Mechanics
6. Heating, Air Conditioning, and Refrigeration Mechanics and Installers
7. Medical Assistants
8. Computer User Support Specialists
9. Emergency Medical Technicians and Paramedics
10. Hairdressers, Hairstylists, and Cosmetologists

Bachelor's Degree or Higher

1. Registered Nurses
2. General and Operations Managers
3. Clergy
4. Elementary School Teachers, Except Special Education
5. Secondary School Teachers, Except Special and Career/Technical Education
6. Accountants and Auditors
7. Middle School Teachers, Except Special and Career/Technical Education
8. Computer Systems Analysts
9. Management Analysts
10. Market Research Analysts and Marketing Specialists

<http://www.discover.arkansas.gov/Education/Skills-Projections#421354939-top-15-content-skills>

Skills Projections

Top 15 Content Skills

(Learned capabilities that allow workers to master and perform the specific activities of their jobs)

<b>Skill</b>	<b>Job Openings</b>	<b>Description</b>
Active Listening	20,669	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
Speaking	20,470	Talking to others to convey information effectively.
Reading Comprehension	9,767	Understanding written sentences and paragraphs in work related documents.
Social Perceptiveness	9,494	Being aware of other's reactions and understanding why they react as they do.
Critical Thinking	6,046	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Monitoring	5,584	Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Service Orientation	5,579	Actively looking for ways to help people.
Coordination	4,987	Adjusting actions in relation to others' actions.

Instructing	4,949	Teaching others how to do something.
Writing	4,889	Communicating effectively in writing as appropriate for the needs of the audience.
Judgment and Decision Making	3,723	Considering the relative costs and benefits of potential actions to choose the most appropriate one.
Learning Strategies	3,449	Selecting and using training/instructional methods and procedures appropriate for the situation when learning or teaching new things.
Time Management	1,952	Managing one's own time and the time of others.
Repairing	1,668	Repairing machines or systems using the needed tools.
Equipment Maintenance	1,593	Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.

## Top 15 knowledge domains

(Learned sets of facts and standards required by many work situations)

Knowledge Domain	Job Openings	Description
Customer and Personal Service	41,654	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.
English Language	19,072	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
Administration and Management	9,608	Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.
Education and Training	6,740	Knowledge of principles and methods for curriculum and training design, teaching and instruction for individuals and groups, and the measurement of training effects.
Psychology	5,768	Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders.
Clerical	5,625	Knowledge of administrative and clerical procedures and systems such as word processing, managing files and records, stenography and transcription, designing forms, and other office procedures and terminology.
Medicine and Dentistry	5,514	Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.
Mechanical	3,954	Knowledge of machines and tools, including their designs, uses, repair, and maintenance.

Sales and Marketing	3,841	Knowledge of principles and methods for showing, promoting, and selling products or services. This includes marketing strategy and tactics, product demonstration, sales techniques, and sales control systems.
Building and Construction	3,803	Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
Mathematics	2,723	Knowledge of arithmetic, algebra, geometry, calculus, statistics, and their applications.
Computer and Electronics	2,482	Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.
Public Safety and Security	2,131	Knowledge of relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property, and institutions.
Production and Processing	1,767	Knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods.
Economics and Accounting	1,487	Knowledge of economic and accounting principles and practices, the financial markets, banking and the analysis and reporting of financial data.

## Top 15 Generalized Work Activities

(The types of tasks that are common to many jobs)

<b>Generalized Work Activities</b>	<b>Job Openings</b>	<b>Description</b>
Getting Information	56,292	Observing, receiving, and otherwise obtaining information from all relevant sources.
Communicating with Supervisors, Peers, or Subordinates	51,077	Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
Making Decisions and Solving Problems	34,984	Analyzing information and evaluating results to choose the best solution and solve problems.
Interacting With Computers	29,176	Using computers and computer systems (including hardware and software) to program, write software, set up functions, enter data, or process information.
Performing for or Working Directly with the Public	29,047	Performing for people or dealing directly with the public. This includes serving customers in restaurants and stores, and receiving clients or guests.
Organizing, Planning, and Prioritizing Work	25,153	Developing specific goals and plans to prioritize, organize, and accomplish your work.
Documenting/Recording Information	21,845	Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.
Identifying Objects, Actions, and Events	20,396	Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.
Establishing and Maintaining Interpersonal Relationships	20,250	Developing constructive and cooperative working relationships with others, and maintaining them over time.
Updating and Using Relevant Knowledge	19,624	Keeping up-to-date technically and applying new knowledge to your job.



Assisting and Caring for Others	14,665	Providing personal assistance, medical attention, emotional support, or other personal care to others such as coworkers, customers, or patients.
Evaluating Information to Determine Compliance with Standards	14,088	Using relevant information and individual judgement to determine whether events or processes comply with laws, regulations, or standards.
Monitor Processes, Materials, or Surroundings	12,688	Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
Communicating with Persons Outside Organization	11,680	Communicating with people outside the organization, representing the organization to customers, the public, government, and other external sources.
Performing General Physical Activities	10,842	Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.

# Top 10 Occupations by Education Level, Career Watch 2017

**Different occupations need different types of training. Some require only on-the-job training, while others require an advanced degree. The jobs listed below are projected to be the top growing occupations by education level through 2017.**

*Based on State of Arkansas' 2016-2018 Short-term Occupational Projections Net Growth*

## **High School or Less**

Combined Food Preparation and Serving Workers, Including Fast Food  
Retail Salespersons  
Farmers, Ranchers, and Other Agricultural Managers  
Cashiers  
Laborers and Freight, Stock, and Material Movers, Hand  
Personal Care Aides  
Waiters and Waitresses  
Office Clerks, General  
Janitors and Cleaners, Except Maids and Housekeeping Cleaners  
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive

## **Associate Degree or Vocational Training**

Heavy and Tractor-Trailer Truck Drivers  
Nursing Assistants  
Teacher Assistants  
Licensed Practical and Licensed Vocational Nurses  
Automotive Service Technicians and Mechanics  
Heating, Air Conditioning, and Refrigeration Mechanics and Installers  
Medical Assistants  
Computer User Support Specialists  
Emergency Medical Technicians and Paramedics  
Hairdressers, Hairstylists, Cosmetologists

## **Bachelor's Degree or Higher**

Registered Nurses  
General and Operations Managers  
Clergy  
Business Operations Specialists, All Other  
Elementary School Teachers, Except Special Education

Secondary School Teachers, Except Special and Career/Technical Education  
Accountants and Auditors  
Middle School Teachers, Except Special and Career/Technical Education  
Computer Systems Analysts  
Management Analysts

<http://www.discover.arkansas.gov/Career-Watch/To-10-Occupations-by-Education-2017>