

CAREER WATCH

ARKANSAS

It's not a job. It's a career.

2017 EDITION | Volume 26

Human Services

Occupations

Interviews

Resumes

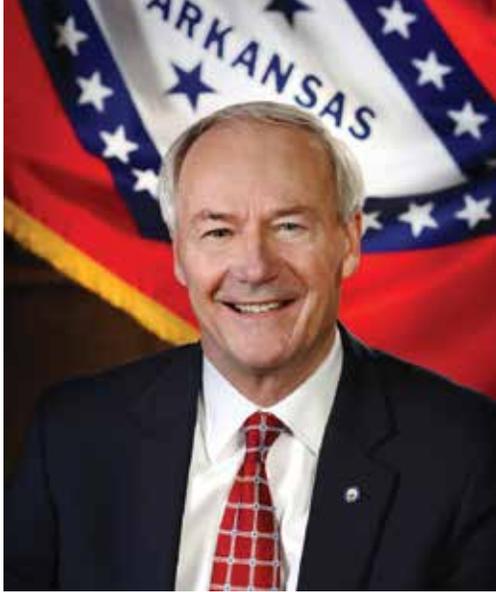
Colleges

Financial Aid

Scholarships

www.careerwatch.org





From the Governor

Dear Students:

As we are faced with new challenges in our nation, we look to you—the future leaders in communities across Arkansas—to help lay the foundation for the next generation. The bold choices you make while in school toward your career path will ultimately guide your choices once you graduate.

A decision to choose an occupation within family and human needs fields such as counseling, mental health services, personal care, and consumer services will help, not only you, but the citizens of Arkansas and our nation.

Growing up in Gravette, Arkansas, I knew I loved Arkansas but wasn't sure of my career path. I developed a love for public service, and now, as Governor, I am able to help solve problems and serve the people of Arkansas.

There will always be a need for occupations related to family and human needs services. Individuals rely on the expertise and guidance of well-trained counselors, psychologists, social workers, clergy, fitness trainers, hairdressers, and other such personnel in the workforce. I am confident the future and care of Arkansans is in excellent and dependable hands.

Good luck to each of you!

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The Career Watch Arkansas Teacher's Guide and other educational materials are available in PDF format at: www.discover.arkansas.gov under the Publications link.

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Arkansas Workforce Development Board
Arkansas Department of Career Education
U.S. Department of Labor
Arkansas Department of Higher Education

A goal of DWS is to improve, through coordination and standardization, the development, quality and use of occupational information for career decision-making, program planning and economic development.

DWS coordinates information to meet the needs of individuals, especially youth, who are making career decisions, while also providing information to support economic development issues.

DWS is extremely interested in making this publication as useful and informative as possible. Please send your comments, suggestions, ideas or additional copy requests to:

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back of this page and return it to
us. We would love to hear your
feedback.



It's not a job. It's a career.
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Please take a few moments to evaluate ***Career Watch Arkansas***.
Let us know what your information needs are and if this magazine meets those needs.

Please indicate your overall level of satisfaction.

Very Satisfied
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Indifferent
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How do you plan to use this information?

Education/Career Planning
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Wage/Employment Study
Industry or Technology Study
Other, please list

How useful was the information?

Very Useful
Useful
Fair
Not very Useful
Not Useful at All

Please indicate what sector you represent.

Student
Teacher
Educational Counselor
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Dislocated Worker
Other, please list

Would you recommend *Career Watch Arkansas* to others?

Yes No

What could make *Career Watch Arkansas* more useful?

Mail the completed form to:
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Career Watch Arkansas

HUMAN SERVICES

Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

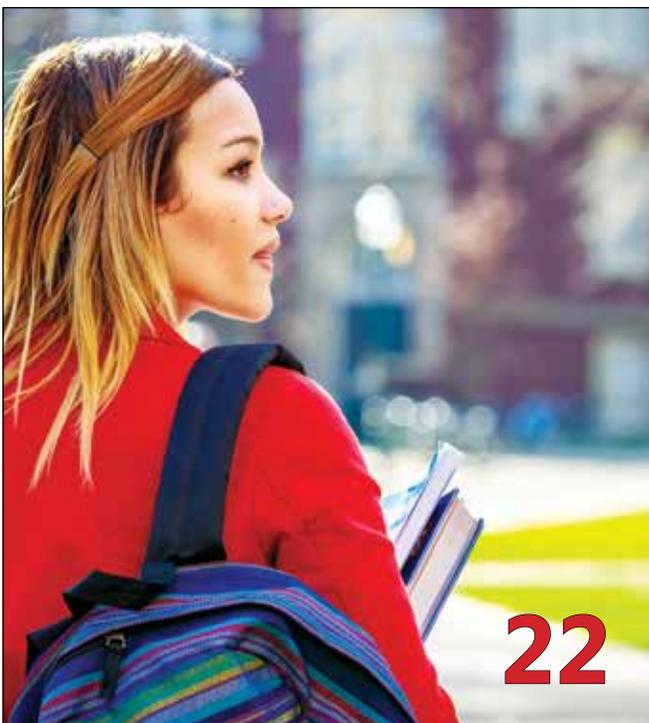


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careerwatchar

Find more information about education and careers at
WWW.CAREERWATCH.ORG



A Resume Guide

There's no telling just how many resumes an employer might get in a day for a job. It's the first impression you make to a prospective employer, and it only takes 10 to 15 seconds to determine if you will be called for an interview.

Top Resume Strategies

Go beyond the standard resume.

Here are four strategies to make your resume unique:

Sell yourself - Identify what makes you different from other applicants.

Identify your transferable skills - These skills are major selling points that set you apart.

Highlight your accomplishments - Listing accomplishments give you credibility.

Use keywords effectively - Specific words used in your resume are critical to communicate your value to an organization.

Why have a GREAT Resume?

- Grab the attention of employers and recruiters.
- Sell your strongest skills and accomplishments.
- Show why you are a potential match for a position or project.
- Communicate your current capabilities and future potential.
- It helps you take the next step in your career.
- It gets you the interview!

John Smith

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Types of resumes

Functional

This type groups your work experience and skills by skill area or job function. This type is good to use to minimize gaps in employment history, while showcasing the work experience that is most important to your career objective. A functional resume works best for first-time job seekers or those changing careers.

Chronological

The most common type of resume, it illustrates progress you have made toward your career objective through employment history. Your most recent work and educational experiences are listed first, followed by the next most recent experience. It is best to use this type of resume if you have demonstrated experience within your desired career field.

Combination

A combination of the chronological and functional resumes, this type presents the knowledge, skills, and abilities gained from work in reverse chronological order. This format is best if you have a varied employment history or wish to include volunteer or internship experience.

Quick Tips

- Keep the resume to one or two pages, no more.
- Always include a cover letter with your resume. Tell the employer what makes you better suited for the job than your competition and how your skills can help the company succeed.
- Proofread, and proofread again. Ask several people to proofread your resume and cover letter. Did you proofread?
- Do not include personal information such as age, gender, marital status, race, height, and weight.
- Use a professional e-mail; seniorsrule@yahoo.com won't cut it. If needed, create a new account just for this purpose.
- No fancy fonts. Use an easy-to-read font such as Arial, Helvetica, or Georgia in 10 or 12 points, and don't use scripts or underlining. Use **bold** or *italics* if you need to highlight important items.
- Use a good quality, heavy bond paper in white or off-white with matching 9" x 12" envelopes. Do not fold your resume and cover letter when mailing by snail mail.
- Have a list of references ready, but make sure you have permission to use them.

For more information and examples, go to www.careeronestop.org and click on "Job Search"

The Interview

Your resume has caught the attention of a perspective employer, and you have an interview.

What's the next step?

Here are a few tips to help you ace the interview.

Wear the Right Outfit.

Check with the HR department for the company's dress code. Wear clean, pressed, conservative clothes in neutral colors. Avoid excessive make-up and jewelry. Have nails and hair neat, clean, and trimmed. Don't overdo your favorite perfume or cologne.

Be Professional.

Know the name, title, and the pronunciation of the interviewer's name. Give a firm handshake and maintain good eye contact. Don't talk too much about your personal life and don't bad-mouth former employers.

Be On Time.

Know where you are going, allowing time for traffic and parking. Show up 10 to 15 minutes early; arriving late to the interview says a great deal about you. Keep your cell phone charged and have the interviewer's number handy in case circumstances are beyond your control, but turn it off before the interview.

Send a Thank You Note.

Here's your chance to make a final impression on the interviewer. You may find it is much appreciated and remembered.

Questions?

Don't just let the interviewer ask all the questions. In fact, they expect you to ask some! Have questions prepared to learn more about the position and the company, such as:

- How soon are you looking to fill this position?
- What is the typical career path for this job?
- What are some of the biggest challenges facing this position, this department, or this organization?
- What is an average day on this job like?
- How would you describe the ideal candidate?
- What kind of training and/or professional development programs do you have?

Arkansas' Hot 45 2017-2018 Demand Occupations

SOC Code	SOC Title	Total Annual Openings	May 2016 Mean Wage
High Skill			
29-1141	Registered Nurses	876	\$57,630
11-1021	General and Operations Managers	831	\$84,770
25-2021	Elementary School Teachers, Except Special Education	465	\$46,950
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	425	\$49,780
21-2011	Clergy	416	\$43,620
13-2011	Accountants and Auditors	342	\$65,740
25-2022	Middle School Teachers, Except Special and Career/Technical Education	243	\$48,580
13-1111	Management Analysts	149	\$60,690
11-9111	Medical and Health Services Managers	139	\$81,600
15-1121	Computer Systems Analysts	138	\$67,600
11-2022	Sales Managers	134	\$120,240
15-1131	Computer Programmers	126	\$72,040
29-1051	Pharmacists	125	\$116,960
23-1011	Lawyers	120	\$103,980
11-3031	Financial Managers	116	\$97,940
Moderate Skill			
53-3032	Heavy and Tractor-Trailer Truck Drivers	928	\$39,430
31-1014	Nursing Assistants	636	\$22,760
29-2061	Licensed Practical and Licensed Vocational Nurses	480	\$36,800
25-9041	Teacher Assistants	373	\$20,310
49-3023	Automotive Service Technicians and Mechanics	258	\$34,750
43-3031	Bookkeeping, Accounting, and Auditing Clerks	161	\$35,400
39-5012	Hairdressers, Hairstylists, and Cosmetologists	149	\$26,210
31-9092	Medical Assistants	144	\$30,160
15-1151	Computer User Support Specialists	132	\$40,350
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	132	\$37,470
31-9091	Dental Assistants	114	\$32,280
29-2041	Emergency Medical Technicians and Paramedics	98	\$28,770
33-2011	Firefighters	94	\$35,590
29-2071	Medical Records and Health Information Technicians	76	\$33,410
25-4031	Library Technicians	48	\$26,030
Basic Skill			
41-2011	Cashiers	2,312	\$19,540
41-2031	Retail Salespersons	2,256	\$24,640
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,888	\$18,820
11-9013	Farmers, Ranchers, and Other Agricultural Managers	1,724	\$86,200
35-3031	Waiters and Waitresses	1,414	\$19,300
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1,306	\$25,120
43-9061	Office Clerks, General	982	\$26,380
43-5081	Stock Clerks and Order Fillers	784	\$23,990
43-4051	Customer Service Representatives	691	\$31,770
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	685	\$22,020
41-1011	First-Line Supervisors of Retail Sales Workers	667	\$37,550
39-9011	Childcare Workers	609	\$19,700
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	593	\$29,650
35-2014	Cooks, Restaurant	576	\$22,200
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	557	\$27,920

Skills to Pay the Bills



They say everyone is good at something. But nowadays certain skills will put you on the fast track to a great job. Here's a quick rundown of the Top 10.

Active Listening

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

Talking to others to convey information effectively.

Reading Comprehension

Understanding written sentences and paragraphs in work related documents.

Social Perceptiveness

Being aware of others' reactions and understanding why they react as they do.

Critical Thinking

Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Monitoring

Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.

Service Orientation

Actively looking for ways to help people.

Coordination

Adjusting actions in relation to others' actions.

Instructing

Teaching others how to do something.

Writing

Communicating effectively in writing as appropriate for the needs of the audience.

Top 10 Occupations by Education Level

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, and 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

Human Services

Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.



In the Human Services Career Cluster, you will find jobs and careers that share an interest in helping others. You can be a Mental Health Counselor, Child Care Provider, Community Service Director, or a Cosmetologist among others.

Workers in this Cluster assist individuals with their personal appearance, manage the mental health care of individuals and their families, provide assistance to help individuals with decisions regarding consumer goods and financial decisions, and care for and teach children.

Pathways in this Career Cluster include: Consumer Services; Counseling and Mental Health Services; Early Childhood Development and Services; Family and Community Services; and Personal Care Services.

Consumer Services workers must be good communicators and quick thinkers while having knowledge of consumer products that can be used to serve the customer's best interest. Counseling and Mental Health Services workers need to have active listening skills to obtain and clarify information and most careers will need additional academic knowledge and skills for their chosen profession.

Early Childhood Development workers must employ critical thinking skills while being able to solve problems with creativity and innovation. Personal Care Services workers assist individuals in making informed decisions to conduct personal care services for the individual. Family and Consumer Services workers must be able to recognize concerns and assist individuals while creating solutions

for clients using information about individual preferences and strengths.

Education for this Career Cluster can begin in Arkansas' high schools by following the Human Services Career Cluster and the following four programs of study: Consumer Services; Child Care Guidance, Management & Services; Family and Consumer Sciences Education; and Cosmetology. Careers in the Counseling and Mental Health Services Pathway will typically require an education path of advanced studies in high school and a college education leading to a master's degree. But you can continue your education for any of these careers after high school by pursuing certification with a postsecondary non-degree award, or full-time academic study at a college or university earning either an associate degree, bachelor's degree, master's degree, or a professional degree.

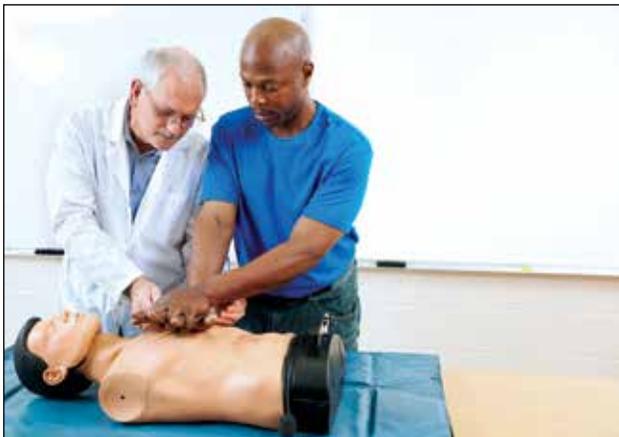
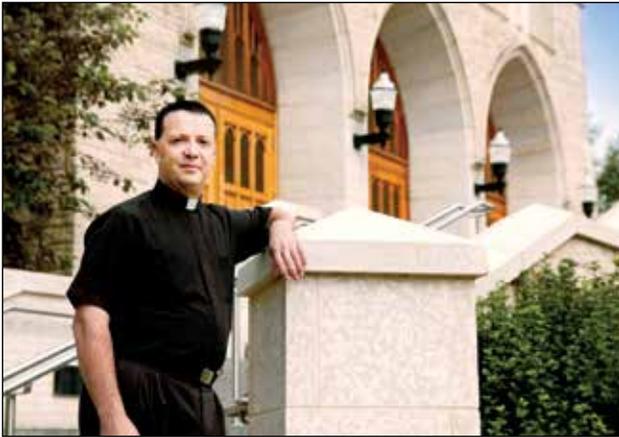
Over 69,000 Arkansas residents are expected to be employed in the occupations in this Career Cluster by 2024, an increase of more than 14 percent. About half of the occupations can earn above Arkansas' 2016 mean annual wage of \$39,590, with the highest-paying occupations being Clinical, Counseling, and School Psychologists at \$64,480 and Funeral Directors at \$69,780.

Occupations include: Funeral Attendant; Substance Abuse and Behavioral Disorder Counselors; Massage Therapists; Clergy; Marriage and Family Therapists; Credit Counselors; and Social and Community Service Managers.

What are some of the Human Services Degree Programs?

Almost every university, college, and technical school in Arkansas offers training and education for a career in Human Services.

Here are just a few of the programs:



- Addiction Studies
- Beginning Hair Design
- Child Advocacy Studies Training
- Child Development
- Child Development Associate
- Clinical Mental Health Studies
- Community Health Promotion
- Cosmetology
- Cosmetology Instructor
- Early Childhood Education
- Exercise Science
- Family & Consumer Sciences
- Family Development
- Funeral Directing
- Funeral Director
- Funeral Science
- Funeral Services
- Hair Care
- Health Education/Promotion
- Health Promotion
- Health Communications
- Human Services
- Manicuring and Nail Technology
- Marriage & Family Therapy
- Nail Care
- Nail Technology
- Psychology
- Rehabilitation Science
- Rehabilitation Counseling
- Religious Studies
- School Psychology
- Skin Care
- Social Work
- Strength & Conditioning Studies



51-6011 - Laundry and Dry-Cleaning Workers

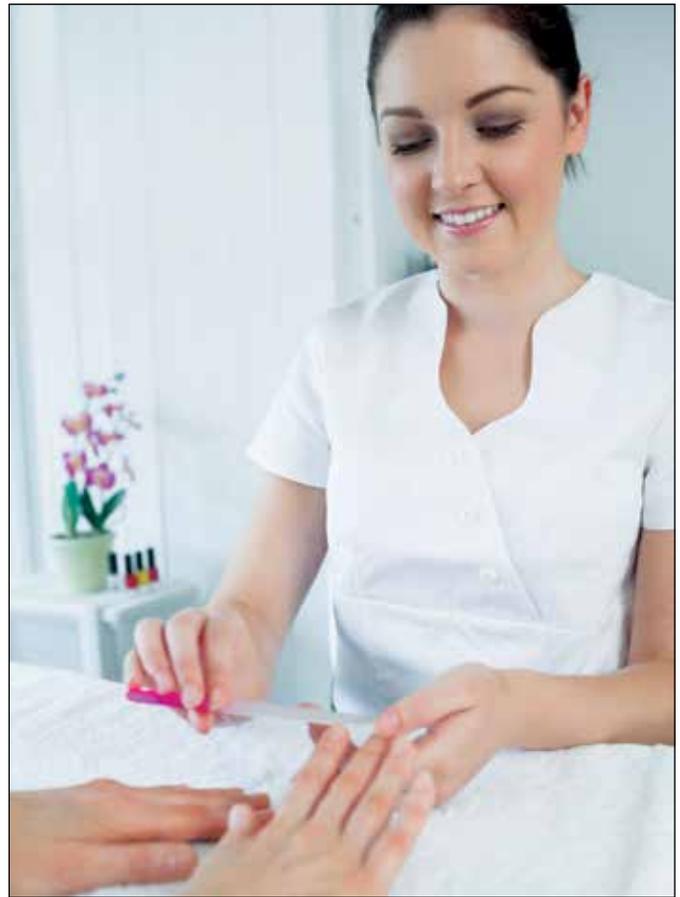
Operate or tend washing or dry-cleaning machines to wash or dry-clean industrial or household articles, such as cloth garments, suede, leather, furs, blankets, draperies, linens, rugs, and carpets.

Sample of reported job titles: Dry Cleaner, Laundry Aide, Laundry Assistant, Laundry Attendant, Laundry Housekeeper, Laundry Technician, Laundry Worker, Machine Operator, Personal Clothing Laundry Aide, Spotter

Earnings (Mean): \$20,270 annual

Estimated workers employed: 1,758

Education: No Formal Education Required



39-5092 - Manicurists and Pedicurists

Clean and shape customers' fingernails and toenails. May polish or decorate nails.

Sample of reported job titles: Manicurist, Nail Technician, Pedicurist

Earnings (Mean): \$22,700 annual

Estimated workers employed: 255

Education: Postsecondary Non-degree Award

I can be a...

These are just a few of the occupations in Human Services. To learn about other occupations, go to <http://online.onetcenter.org/find/> and browse by Career Cluster for more occupations.



11-9061 - Funeral Services Managers

Plan, direct, or coordinate the services or resources of funeral homes. Includes activities such as determining prices for services or merchandise and managing the facilities of funeral homes.

Sample of reported job titles: Arranging Funeral Director, Assistant Manager of Operations, Funeral Home Location Manager, Funeral Home Manager, Funeral Service Manager, Location Manager, Market Manager, Mortuary Operations Manager, Sales Manager, Prearranged Funerals, Scheduling Manager

Earnings (Mean): \$69,780 annual

Estimated workers employed: 462

Education: Associate Degree



21-1023 - Mental Health and Substance Abuse Social Workers

Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or other drugs. Activities may include individual and group therapy, crisis intervention, case management, client advocacy, prevention, and education.

Sample of reported job titles: Case Manager, Clinical Social Worker, Clinical Therapist, Clinician, Counselor, Mental Health Therapist, Psychotherapist, Social Worker, Substance Abuse Counselor, Therapist

Earnings (Mean): \$40,480 annual

Estimated workers employed: 738

Education: Bachelor's Degree



39-9031 - Fitness Trainers and Aerobics Instructors

Instruct or coach groups or individuals in exercise activities. Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills.

Sample of reported job titles: Aerobics Instructor, Fitness Coordinator, Fitness Director, Fitness Instructor, Fitness Specialist, Fitness Trainer, Group Exercise Instructor, Group Fitness Instructor, Personal Trainer, Yoga Instructor

Earnings (Mean): \$31,840 annual

Estimated workers employed: 1,349

Education: High School

Career Clusters



Career Clusters contain occupations in the same field of work that require similar skills. Students, parents, and educators can use Career Clusters to help focus education plans toward obtaining the necessary knowledge, competencies, and training for success in a particular career pathway.

Science, Technology, Engineering & Mathematics

Marketing, Sales & Service

ARCHITECTURE & CONSTRUCTION

BUSINESS MANAGEMENT & ADMINISTRATION

FINANCE Information Technology

manufacturing **HUMAN SERVICES**

health science **Hospitality and Tourism**

Transportation, Distribution & Logistics

AGRICULTURE, FOOD & NATURAL RESOURCES

EDUCATION AND TRAINING

GOVERNMENT & PUBLIC ADMINISTRATION

arts, a-v technology & communications

law, public safety, corrections & security

Human Services Career Cluster

In high school, Career Clusters are designed to give you the guidance you need to be successful in a career.

Sixteen Career Clusters have been developed to help you explore your career opportunities. Within these Career Clusters are career pathways that are more specialized.

These pathways will help you explore more specific careers. Plus, many of the classes can earn you college credit if you successfully pass the course.

The Human Services Career Cluster prepares individuals for employment in career pathways that relate to families

and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

The following pages include: a sample high school class schedule, Career Focus classes that are required for graduation, programs of study, including work-based and extra curricular activities, and In Demand occupations — all to help you further your education.

Other Career Clusters are offered in Arkansas secondary schools. Talk with your career guidance counselor to see what career pathways are offered in your school.

Sample High School Schedule - Smart Core

9th Grade	10th Grade	11th Grade	12th Grade
English I or Pre-AP	English II or Pre-AP	English III or AP	English IV or AP
Algebra I or Geometry	Geometry or Algebra II	Algebra II or Trigonometry Pre-AP Calculus	AP Calculus College Algebra AP Statistics
Physical Science	Biology Pre-AP Chemistry Applied Biology/ Chemistry	Chemistry Physics Principles of Technology	AP Biology AP Chemistry AP Physics Earth & Space Science
Civics	World History	US History	Economics

Human Services

Career Cluster

Pathway - Consumer Services **Program of Study - Consumer Services**

Consumer Services Core Courses
Personal & Family Finance
Customer Relations
Consumer Services

Consumer Services Electives
Entrepreneurial Experiences

Consumer Services Industry Certifications

- CareerSafe
- Customer Service National Professional Certification
- Financial Literacy
- National Professional Certification in Customer Service
- WISE Financial Literacy

Pathway – Early Childhood Development & Services

Program of Study – Child Care Guidance, Management & Services

Child Care Guidance Core Courses
Child Development
Parenting
Child Care Guidance, Management & Services

Child Care Guidance Electives
Family Dynamics

Child Care Guidance Industry Certifications

- Infant & Child CPR
- Babysitting
- CareerSafe
- First Aid
- Child Care Aide
- Child Care Assistant
- Child Care Teacher
- Early Childhood Education (PrePAC)

Pathway – Family and Community Services

Program of Study – Family & Consumer Sciences Education

Family & Consumer Sciences Ed. Core Courses
Family & Consumer Sciences

Family & Consumer Sciences Ed. Guidance Electives

Personal & Family Finance
Human Relations
Leadership & Service Learning
Clothing Management
Housing & Interior Design
ProStart I & II

Family & Consumer Sciences Ed. Industry Certifications

- Adult, Infant & Child CPR
- Arkansas Food Handler
- ServSafe
- Babysitting
- CareerSafe
- WISE Financial Literacy
- Sports Nutrition
- Textile & Apparel (PrePAC), Nutrition (PrePAC)
- Interior Design (PrePAC)
- Food Science (PrePAC)
- Housing (PrePAC)
- Family Services (PrePAC)
- Fashion (PrePAC)
- Financial Literacy
- Broad Field FACS (PrePAC)

Pathway – Personal Care Services

Program of Study – Cosmetology

Family & Consumer Sciences Ed. Core Courses
Family & Consumer Sciences

Family & Consumer Sciences Ed. Guidance Electives

Personal & Family Finance
Human Relations
Leadership & Service Learning
Clothing Management
Housing & Interior Design
ProStart I & II

Family & Consumer Sciences Ed. Industry Certifications

- Adult, Infant & Child CPR
- Arkansas Food Handler
- ServSafe
- Babysitting
- CareerSafe
- WISE Financial Literacy
- Sports Nutrition
- Textile & Apparel (PrePAC)
- Nutrition (PrePAC)
- Interior Design (PrePAC)
- Food Science (PrePAC)
- Housing (PrePAC)
- Family Services (PrePAC)
- Fashion (PrePAC)
- Financial Literacy
- Broad Field FACS (PrePAC)

Human Services

In Demand Occupations

These are occupations that are found in an industry cluster that are projected to add a significant number of new jobs to our state's economy, are existing or emerging occupations being transformed by technology and innovation, or are vital to the overall health of our economy.

Occupation	Education	Wage Hourly/Annual
Social and Community Service Managers	B	\$26.11/\$54,300
Clinical, Counseling, and School Psychologists	D	\$31.00/\$64,480
Substance Abuse and Behavioral Disorder Counselors	B	\$17.51/\$36,430
Mental Health Counselors	M	\$24.98/\$51,960
Child, Family, and School Social Workers	B	\$17.14/\$35,640
Healthcare Social Workers	M	\$20.86/\$43,390
Mental Health and Substance Abuse Social Workers	B	\$19.46/\$40,480
Social and Human Service Assistants	HS	\$13.67/\$28,400
Clergy	B	\$20.97/\$43,620
First-Line Supervisors of Personal Service Workers	HS	\$15.26/\$31,730
Hairdressers, Hairstylists, and Cosmetologists	PS	\$12.60/\$26,210
Childcare Workers	HS	\$9.47/\$19,700
Personal Care Aides	NFE	\$9.48/\$19,720
Fitness Trainers and Aerobics Instructors	HS	\$15.26/\$31,730
Residential Advisors	HS	\$12.48/\$25,960
Laundry and Dry-Cleaning Workers	NFE	\$9.75/\$20,270

Doctoral or professional degree (D) – Requires at least three years of full-time academic study beyond a bachelor's degree.

Master's degree (M) – Requires one or two years of full-time academic study beyond a bachelor's degree.

Bachelor's degree (B) – Requires four or five years of full-time academic study.

Associate degree (A) – Requires at least two years of full-time academic study.

Postsecondary non-degree award (PS) – Programs last a few weeks to more than a year; leads to a certificate or other award.

Some college, no degree (SC) – Requires the completion of a high school diploma or equivalent plus the completion of one or more postsecondary courses that did not result in a degree or award.

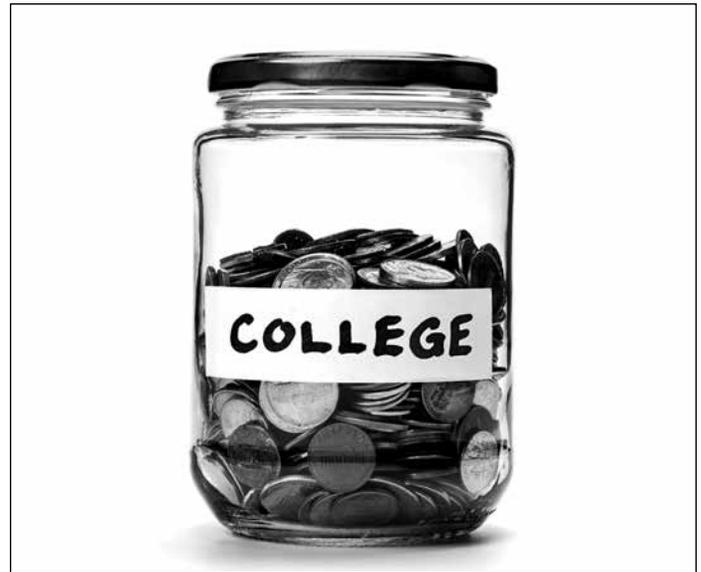
High School diploma or equivalent (HS) – Requires the completion of high school or an equivalent program resulting in the award of a high school diploma or an equivalent, such as a GED.

No Formal Education (NFE) – Signifies that a formal credential issued by an educational institution, such as a high school diploma or postsecondary certificate, is not typically needed for entry into the occupation.

How will I pay for College?

Financial Aid FAQs

If you are planning to attend college, you should do a little research first. Find out how much it will cost to go to college, what part of that cost you and your family will be expected to pay, and what types of financial aid are available. The following information is intended to get you started.



What is Financial Aid?

Financial aid is money awarded to a student to help pay educational costs. Most financial aid is awarded according to individual need and educational costs. The federal government, state government, postsecondary institutions, and private organizations provide financial aid to eligible students in the form of grants, scholarships, loans, and employment.

Grants and scholarships are awarded based on either financial need or merit and do not have to be paid back. Employment can be a job provided by the college and can be on or off campus. A loan is money provided by a bank, the college, or the government, which must be paid back with interest.

Private sources of financial aid come from social and civic organizations, religious organizations, and businesses.

How much does it cost to attend college?

Educational costs can differ significantly from one school to another, depending on the type of school and your program of study. In general, costs are lowest at a public vocational-technical school, higher at a public community or technical college, still higher at a public four-year college, and highest at a private college.

The total cost of attending school today may range from \$2,000 per year to more than \$30,000 per year. Financial Aid programs have been created to help you pay for these costs. Schools with higher costs often have more financial aid available than lower cost schools. Therefore, when comparing costs, it's very important to determine the financial aid available. This way you can determine what your out-of-pocket expenses will be.

But remember, cost is only one factor in selecting a school. Consider your goals, what programs

and opportunities each school offers, and how well that school will help you meet your goals.

What do educational costs include?

The total educational costs are called the Cost of Attendance (COA) and include (1) tuition and fees, (2) books and supplies, (3) room and board, (4) transportation, and (5) miscellaneous personal expenses, such as clothing, laundry, and recreation. Because the COA includes items that are living costs but are not paid directly to the school, the actual amount billed by the school will be less than the COA.

What is the family's responsibility?

The primary responsibility for financing a college education rests with the student and his/her family. The family is expected to pay for the cost of college to the extent that it is able. Financial assistance is designed to help with the difference between what the family can afford and the cost of attendance. The student shares in the family's responsibility to pay for college and is expected to contribute from his/her earnings and savings.

The amount the family is expected to pay toward the cost of college is called the Expected Family Contribution (EFC).

How is the family's expected contribution determined?

Colleges, government agencies and organizations that award financial aid based on financial need use a process called Needs Analysis to determine how much the family is expected to pay towards the cost of a college education. This process uses both the parent's and student's income and assets and other information about the family, such as the number in college, to calculate the Expected Family Contribution. During the needs

analysis calculations, certain allowances are applied to protect the family's income and assets for the cost of living and future retirement needs.

The needs analysis is performed by the U.S. Department of Education based on the information provided by the family on the Free Application for Federal Student Aid (FAFSA). This is the basic form required for most financial aid programs based on financial need. Any student who wishes to apply for financial assistance should complete and submit this application. The FAFSA application can be applied for online at www.fafsa.gov.

How is eligibility for financial aid determined?

Most financial aid is awarded based on financial need. The Cost of Attendance minus the Expected Family Contribution equals financial need. The

school you attend uses the EFC calculated during needs analysis and the school's cost of attendance to determine your eligibility for need-based financial aid. Some aid is merit based, meaning eligibility is based on performance or achievement, such as athletic scholarships or academic scholarships based on ACT scores, or GPA.

How much financial aid can I receive?

The total financial aid a student receives can include funds from more than one source or financial aid program. Normally, though, the total financial aid received will not exceed the financial need, or in some cases, the cost of attendance. For the best chance of getting the aid you need, apply as early as possible for each financial aid program for which you might be eligible.

Source: Arkansas Department of Higher Education



Helpful Websites

www.adhe.edu

www.asla.info

www.careeronestop.org

www.careerwatch.org

www.discover.arkansas.gov

www.fafsa.gov

www.fundmyfuture.info

www.going2college.org

www.knowhow2go.org

www.mappingyourfuture.org

Scholarships, Grants, and Federal Aid

Arkansas Scholarships and Grants

Academic Challenge Scholarship - High School

The Academic Challenge Program provides scholarships to Arkansas residents pursuing a higher education. Funded in large part by the Arkansas Scholarship Lottery, the Academic Challenge Scholarship is available to students regardless of their academic status, whether just graduating from high school, currently enrolled in college, enrolling in college for the first time, or re-enrolling after a period of time out of college.

Scholarship Deadline to Apply: June 15

Academic Challenge Scholarship - Non-Traditional Students

The Academic Challenge Program provides scholarships to Arkansas residents pursuing a higher education. Funded in large part by the Arkansas Scholarship Lottery, the Academic Challenge Scholarship is available to students regardless of their academic status, whether just graduating from high school, currently enrolled in college, enrolling in college for the first time, or re-enrolling after a period of time out of college.

Scholarship Deadline to Apply: June 15

Arkansas Futures Grant (ARFutures) - High School - Non-Traditional Students

Arkansas Future (ARFuture), is the newest state grant program. The purpose of this grant is to increase the education and skills of Arkansas's workforce in an affordable manner. The grant applies to students enrolled in Science, Technology, Engineering and Math (STEM) or regional high demand areas of study. The grant will cover tuition and fees for qualifying certificate and Associate degree programs at Arkansas' public institutions for eligible students. The grant is available on a first come, first serve basis.

Scholarship Deadline to Apply: July 1

Arkansas Health Education Grant (ARHEG) - Graduate Students

ARHEG provides financial assistance to students seeking professional training in chiropractic medicine, dentistry, optometry, osteopathic medicine, podiatric medicine, and veterinary medicine to allow them to attend out-of-state institutions.

Scholarship Deadline to Apply: June 15

Governor's Distinguished Scholarship - High School

The Governor's Distinguished Scholarship is the most academically rigorous scholarship program offered for those graduating seniors scoring either 32 on the ACT or 1410 on the SAT, and a 3.50 academic grade point average. Those who are named National Merit Finalists or National Achievement Scholars may qualify without meeting the GPA requirement, but must still meet the ACT/SAT requirement. The scholarship pays tuition, mandatory fees, room and board up to \$10,000 per year.

Scholarship Deadline to Apply: February 1

Law Enforcement Officers' Dependents Scholarship (LEO) - Other

LEO provides a waiver of tuition, fees, and room at any public college, university, or technical institute in Arkansas for dependents and spouses of Arkansas law enforcement officers, some Highway and Transportation Department employees, and other public employees, who were killed or permanently disabled in the line of duty.

Scholarship Deadline to Apply: June 15

Military Dependents Scholarship (MDS) - Other

MDS provides a waiver of tuition, fees, room and board at any public college, university, or technical institute in Arkansas for dependents and spouses of Arkansans who were killed or missing in action or who were prisoners of war or who are totally and permanently disabled.

Scholarship Deadline to Apply: June 15

Single Parent Scholarship - Other

Single Parent Scholarships (SPSF) are given to low-income single parents who are pursuing post-secondary education in preparation for skilled employment. Scholarship Funds are administered by affiliate organizations and volunteers in each county of Arkansas. Eligibility criteria and application requirements vary by county. To apply for a scholarship or to get involved, contact the affiliate SPSF serving the county you live in.

Disclaimer: The laws, rules, regulations, award amounts, amount of awardees, eligibility criteria, funding per program, etc. are subject to change at any point prior to, during or after application through the YOUniversal application. These changes will be based on changes in law or funding provided by the Arkansas General Assembly. It is understood that ADHE is not at fault for any changes that occur to any financial aid program. In addition, awards for all ADHE programs are limited by the availability of funds.

Source: Arkansas Department of Higher Education

YOUuniversal

ARKANSAS FINANCIAL AID SYSTEM

COLLEGE for YOU



Arkansas residents seeking education beyond high school will now find the scholarship application process more user-friendly than ever before, thanks to the YOUuniversal Scholarship Application. By answering a few simple questions about age, grade-point average, ACT or SAT scores, and income level, applicants will be matched with the financial aid programs they may qualify for, along with an estimated amount of financial aid they might expect in an academic year.

Log on to scholarships.adhe.edu to fill out your application. Residents still have to fill out the Free Application for Federal Student Aid (FAFSA) form to determine eligibility for Federal financial aid. Go to www.fafsa.gov to fill out your form.

Applicants can begin applying for Federal Student Aid after October 1, 2017, for the 2018-2019 school year.

Federal Grants and Financial Aid

Source: <http://studentaid.ed.gov>

Parent Loan for Undergraduate Students (PLUS Loan)

Parents can borrow a PLUS Loan to help pay your education expenses if you are a dependent undergraduate student enrolled at least half time in an eligible program at an eligible school. PLUS Loans are available through the Federal Family Education Loan (FFEL) Program and the Direct Loan Program. Your parents can get either loan, but not both, for you during the same enrollment period. They also must have an acceptable credit history. For a Direct PLUS Loan, your parents must complete a Direct PLUS Loan application and promissory note contained in a single form that you get from your school's financial aid office. For a FFEL PLUS Loan, your parents must complete and submit a PLUS Loan application available from your school, lender, or your state guaranty agency. After the school completes its portion of the application, it must be sent to a lender for evaluation. Parents must agree to repay the loan within 10 years, beginning 60 days after the funds are fully disbursed.

Pell Grant – A Federal Pell Grant, unlike a loan, does not have to be repaid. Pell Grants are awarded usually only to undergraduate students who have not earned a bachelor's or a professional degree. (In some cases, however, a student enrolled in a post-baccalaureate teacher certification program might receive a Pell Grant.) Pell Grants are considered a foundation of

federal financial aid, to which aid from other federal and nonfederal sources might be added.

Perkins Loan – A Federal Perkins Loan is a low-interest loan for both undergraduate and graduate students with exceptional financial need. Federal Perkins Loans are made through a school's financial aid office. Your school is your lender, and the loan is made with government funds. You must repay this loan to your school.

Stafford Loan – You must fill out a FAFSA. After your FAFSA is processed, your school will review the results and will inform you about your loan eligibility. You also will have to sign a promissory note, a binding legal document that lists the conditions under which you're borrowing and the terms under which you agree to repay your loan.

Supplemental Educational Opportunity Grant – Federal Supplemental Educational Opportunity Grants (FSEOG) are for undergraduates with exceptional financial need. Pell Grant recipients with the lowest EFCs will be the first to get FSEOGs. Just like Pell Grants, FSEOGs don't have to be paid back.

Work-Study – Federal Work-Study (FWS) provides part-time jobs for undergraduate and graduate students with financial need, allowing them to earn money to help pay education expenses. The program encourages community service work and work related to the recipient's course of study.

Arkansas Colleges & Universities



Full-time annualized tuition for public institutions is based on Arkansas Department of Higher Education estimates of 15 credit hours, plus mandatory fees per semester, for the 2017-2018 school year.

Full-time annual tuition for private institutions is based on figures from the institution's website or financial aid office. Some private institutions have set rates for each program offered.

Check with the institution for actual tuition and fees.

4-year Public

Arkansas State University

www.astate.edu
870-972-2100
PO Box 600
State University, AR 72467
Enrollment: 13,144
Tuition: \$8,478
Other Locations: Paragould

Arkansas Tech University

www.atu.edu
844-804-2628
215 West O Street
Russellville, AR 72801
Enrollment: 12,002
Tuition: \$8,880
Other Locations: Ozark

Henderson State University

www.hsu.edu
800-228-7333
870-230-5000
1100 Henderson Street
Arkadelphia, AR 71999
Enrollment: 3,625
Tuition: \$8,311

Southern Arkansas University

web.saumag.edu
870-235-4000
100 E. University
Magnolia, AR 71753
Enrollment: 3,546
Tuition: \$8,346

University of Arkansas at Fayetteville

www.uark.edu
479-575-2000
1 University of Arkansas
Fayetteville, AR 72701
Enrollment: 26,237
Tuition: \$9,062

University of Arkansas at Fort Smith

www.uafs.edu
479-788-7000
5210 Grand Avenue
Fort Smith, AR 72913
Enrollment: 6,823
Tuition: \$6,935

Arkansas Colleges & Universities

UA Little Rock

www.ualr.edu
501-569-3000
2801 S. University Ave.
Little Rock, AR 72204
Enrollment: 11,645
Tuition: \$8,936
Other Locations: Benton

University of Arkansas at Monticello

www.uamont.edu
800-844-1826
870-460-1026
346 University Drive
Monticello, AR 71656
Enrollment: 3,854
Tuition: \$7,462
Other Locations: Crossett, McGehee

University of Arkansas at Pine Bluff

www.uapb.edu
870-575-8000
1200 North University Drive
Pine Bluff, AR 71601
Enrollment: 2,513
Tuition: \$7,212
Other Locations: North Little Rock

University of Arkansas for Medical Sciences

www.uams.edu
501-686-7000
4301 West Markham
Little Rock, AR 72205
Enrollment: 2,890
Tuition: Varies
Other Locations: Teaching Centers
across the state

University of Central Arkansas

www.uca.edu
501-450-5000
201 Donaghey Ave.
Conway, AR 72035
Enrollment: 11,698
Tuition: \$8,524

2-year Public

Arkansas Northeastern College

www.anc.edu
870-762-1020
2501 South Division St.
Blytheville, AR 72315
Enrollment: 1,425
Tuition: \$2,750
Other Locations: Burdette,
Leachville, Osceola, Paragould

Arkansas State University at Beebe

www.asub.edu
800-632-9985
501-882-3600
1000 Iowa St.
PO Box 1000
Beebe, AR 72012
Enrollment: 4,140
Tuition: \$3,540
Other Locations: Heber Springs,
Little Rock Air Force Base, Searcy

Arkansas State University at Mountain Home

www.asumh.edu
870-508-6100
1600 South College St.
Mountain Home, AR 72653
Enrollment: 1,393
Tuition: \$3,540

Arkansas State University at Newport

www.asun.edu
870-512-7800
7648 Victory Blvd.
Newport, AR 72112
Enrollment: 2,476
Tuition: \$3,450
Other Locations: Jonesboro,
Marked Tree

Arkansas State University Mid-South

www.asumidsouth.edu
870-733-6722
2000 W. Broadway
West Memphis, AR 72301
Enrollment: 1,895
Tuition: \$4,000

Arkansas Tech University-Ozark

www.atu.edu/ozark
866-225-2884
1700 Helberg Lane
Ozark, AR 72949
Tuition: \$5,070

Black River Technical College

www.blackrivertech.org
870-248-4000
1410 Highway 304 East
Pocahontas, AR 72455
Enrollment: 1,966
Tuition: \$3,600
Other Locations: Paragould

College of the Ouachitas

www.coto.edu
800-337-5000
One College Circle
Malvern, AR 72104
Enrollment: 1,444
Tuition: \$3,680

Cossatot Community College of the University of Arkansas

www.cccua.edu
800-844-4471
870-584-4471
183 College Drive
De Queen, AR 71832
Enrollment: 1,578
Tuition: \$3,600
Other Locations: Ashdown,
Nashville

Arkansas Colleges & Universities

East Arkansas Community College

www.eacc.edu
870-633-4480
1700 Newcastle Road
Forrest City, AR 72335
Enrollment: 1,270
Tuition: \$3,150
Other Locations: Wynne

National Park College

www.np.edu
501-760-4222
101 College Drive
Hot Springs National Park, AR 71913
Enrollment: 3,001
Tuition: \$3,780

North Arkansas College

www.northark.edu
870-743-3000
1515 Pioneer Drive
Harrison, AR 72601
Enrollment: 1,976
Tuition: \$3,510
Other Locations: Berryville

Northwest Arkansas Community College

www.nwacc.edu
479-986-4000
One College Drive
Bentonville, AR 72712
Enrollment: 8,098
Tuition: \$4,683
Other Locations: Farmington, Fayetteville, Springdale

Ozarka College

www.ozarka.edu
870-368-2300
218 College Drive
Melbourne, AR 72556
Enrollment: 1,318
Tuition: \$3,640
Other Locations: Ash Flat, Mammoth Spring, Mountain View

Phillips Community College of the University of Arkansas

www.pccua.edu
870-338-6474
1000 Campus Drive
Helena-West Helena, AR 72342
Enrollment: 1,797
Tuition: \$3,200
Other Locations: Dewitt, Stuttgart

UA – Pulaski Tech

www.pulaskitech.edu
501-812-2200
3000 West Scenic Drive
North Little Rock, AR 72118
Enrollment: 9,236
Tuition: \$5,460
Other Locations: Benton, Bauxite, Little Rock

UA – Rich Mountain

www.uarichmountain.edu
479-394-7622
1100 College Drive
Mena, AR 71953
Enrollment: 1,005
Tuition: \$3,780
Other Locations: Montgomery County, Waldron

South Arkansas Community College

www.southark.edu
870-862-8131
300 South West Avenue
El Dorado, AR 71730
Enrollment: 1,693
Tuition: \$3,660

Southeast Arkansas College

www.seark.edu
870-543-5900
1900 Hazel Street
Pine Bluff, AR 71603
Enrollment: 1,432
Tuition: \$3,460

Southern Arkansas University-Tech

www.sautech.edu
870-574-4500
6415 Spellman Rd.
Camden, AR 71711
Enrollment: 1,559
Tuition: \$4,500
Other Locations: Fordyce, Magnolia

University of Arkansas at Monticello College of Technology Crossett

www.uamont.edu
870-364-6414
1326 Highway 52 West
Crossett, AR 71635
Tuition: \$3,333

University of Arkansas at Monticello College of Technology McGehee

www.uamont.edu
870-222-5360
1609 East Ash Street
McGehee, AR 71654
Tuition: \$3,333

University of Arkansas Community College at Batesville

www.uaccb.edu
870-612-2000
PO Box 3350
Batesville, AR 72503
Enrollment: 1,317
Tuition: \$3,480

University of Arkansas Community College at Morrilton

www.uaccm.edu
800-264-1094
1537 University Blvd.
Morrilton, AR 72110
Enrollment: 1,995
Tuition: \$4,130

Arkansas Colleges & Universities

University of Arkansas Hope-Texarkana

www.uacch.edu
870-777-5722
2500 South Main
Hope, AR 71802
Enrollment: 1,360
Tuition: \$2,980

Private

Arkansas Baptist College

arkansasbaptist.edu
877-643-5390
1621 Dr. Martin Luther King Jr. Drive
Little Rock, AR 72202
Enrollment: 855
Tuition: \$9,240

Central Baptist College

cbc.edu
501-329-6872
1501 College Avenue
Conway, AR 72034
Enrollment: 832
Tuition: \$11,925
Other Locations: Camp Robinson

Crowley's Ridge College

www.crc.edu
870-236-6901
100 College Drive
Paragould, AR 72450
Enrollment: 184
Tuition: \$11,800

Harding University

www.harding.edu
501-279-4000
915 E. Market Ave.
Searcy, AR 72149
Enrollment: 6,058
Tuition: \$25,677
Other Locations: Rogers, North
Little Rock

Hendrix College

www.hendrix.edu
800-277-9017
501-329-6811
1600 Washington Ave
Conway, AR 72032
Enrollment: 1,354
Tuition: \$42,440

John Brown University

jbu.edu
479-524-9500
2000 West University Street
Siloam Springs, AR 72761
Enrollment: 2,850
Tuition: \$25,324
Other Locations: Fort Smith, Little
Rock, Rogers

Lyon College

www.lyon.edu
870-307-7000
2300 Highland Road
Batesville, AR 72501
Enrollment: 713
Tuition: \$33,390

Ouachita Baptist University

obu.edu
870-245-5000
410 Ouachita St.
Arkadelphia, AR 71998
Enrollment: 1,501
Tuition: \$25,870

Philander Smith College

philander.edu
501-375-9845
900 West Daisy L Gaston Bates Drive
Little Rock, AR 72202
Enrollment: 567
Tuition: \$12,564

Shorter College

www.shortercollege.edu
501-374-6305
604 Locust Street
North Little Rock, AR 72114
Enrollment: 406
Tuition: \$6,000

University of the Ozarks

www.ozarks.edu
800-264-8636
415 N. College Avenue
Clarksville, AR 72830
Enrollment: 587
Tuition: \$23,750

Williams Baptist College

wbcoll.edu
870-886-6741
60 W Fulbright Avenue
Walnut Ridge, AR 72476
Enrollment: 530
Tuition: \$17,320

Technical

Northwest Technical Institute

www.nwti.edu
479-751-8824
709 South Old Missouri Road
Springdale, AR 72764
Tuition: Varies

So, you wanna be a...

Not sure what you want to do with your life? Well, this is the place to start looking.

The following section is packed with occupations that can be found all over the state in just about every field imaginable. It also will tell you what type of education you will need to get those jobs, how many positions are available, and, of course, how much you can make doing them! Now, not all the occupations are listed here, as there are more than 800 of them. If you would like to know more about any occupation, or one that is not listed here, go to www.discover.arkansas.gov and click on the "Occupation" link.

2017-2018 Occupations and Careers

Occupation

This column provides the title and a brief description of the occupation. The occupations are listed in alphabetical order by Standard Occupational Classification Titles. Keep in mind the work you actually do will depend on your employer, training, and experience.

Job Outlook

The first row in this column shows an estimate of the total number of workers in the occupation in Arkansas.

The second row shows an estimate of the number of openings expected each year in Arkansas for the occupation.

The third row shows an estimate of the rate of growth for the occupation in Arkansas. Above average is more than 5 percent, average is between 2 and 5 percent, below average is between 0 and 2 percent and decline is below 0 percent.

AA – Above Average

A – Average

BA – Below Average

D – Decline

The Arkansas Labor Market Information Section bases both the growth rate and annual openings data on occupational projections.

Education

This column lists education/work experience in a related occupation/training that is most commonly needed by workers to become fully qualified in the occupation. There may be other training and educational alternatives than those listed.

Education Required - First Row

Doctoral or professional degree (D) – Requires at least three years of full-time academic study beyond a bachelor's degree.

Master's degree (M) – Requires one or two years of full-time academic study beyond a bachelor's degree.

Bachelor's degree (B) – Requires four or five years of full-time academic study.

Associate degree (A) – Requires at least two years of full-time academic study.

Postsecondary non-degree award (PS) – Programs last a few weeks to more than a year; leads to a certificate or other award.

Some college, no degree (SC) – Requires the completion of a high school diploma or equivalent plus the completion of one or more postsecondary courses that did not result in a degree or award.

High School diploma or equivalent (HS) – Requires the completion of high school or an equivalent program resulting in the award of a high school diploma or an equivalent, such as a GED.

No Formal Education (NFE) – Signifies that a formal credential issued by an educational institution, such as a high school diploma or postsecondary certificate, is not typically needed for entry into the occupation.

Work experience in a related occupation - Second Row

Requires experience in a related occupation by length of time (years) spent gaining related work experience.

5+ is 5 years or more work experience

-5 is Less than 5 years work experience

None

On-the-job training - Third Row

Internship/residency (I/R) – Training that involves preparation in a field such as medicine or teaching, generally under supervision in a professional setting.

Apprenticeship (App) – A formal relationship between a worker and sponsor that consists of a combination of on-the-job training and related occupation-specific technical instruction.

Long-term on-the-job training (LOJT) – Requires more than 12 months of training or a combination of work experience and classroom instruction.

Moderate-term on-the-job training (MOJT) – Requires one to 12 months of combined work experience and informal training.

Short-term on-the-job training (SOJT) – Requires a short demonstration of job duties or one month or less of on-the-job experience and informal training.

Earnings

This column shows an estimated mean hourly wage and annual salary in Arkansas for the occupation. This data is based on a semi-annual wage survey conducted by the Arkansas Labor Market Information Section. The actual pay for a job may vary depending on the geographic area, qualifications of the employee, and the pay scale of the employer.

NA – Not Available

Occupation	Job Outlook	Education	Earnings
Accountants and Auditors 13-2011 Examine, analyze, and interpret accounting records to prepare financial statements, give advice, or audit and evaluate statements prepared by others.	6,901 342 A	B None None	\$31.61 \$65,740
Administrative Law Judges, Adjudicators, and Hearing Officers 23-1021 Conduct hearings to recommend or make decisions on claims concerning government programs or other government-related matters.	422 8 BA	D 5 SOJT	\$22.09 \$45,960
Administrative Services Managers 11-3011 Plan, direct, or coordinate one or more administrative services of an organization, such as records and information management, mail distribution, facilities planning and maintenance, custodial operations, and other office support services.	1,971 66 A	B -5 None	\$41.64 \$86,620
Adult Basic and Secondary Education and Literacy Teachers and Instructors 25-3011 Teach or instruct out-of-school youths and adults in remedial education classes, preparatory classes for the General Educational Development test, literacy, or English as a Second Language.	1,154 32 BA	B None I/R	\$22.87 \$47,560
Advertising and Promotions Managers 11-2011 Plan, direct, or coordinate advertising policies and programs or produce collateral materials, such as posters, contests, coupons, or give-aways, to create extra interest in the purchase of a product or service for a department, an entire organization, or on an account basis.	129 5 BA	B -5 None	\$57.55 \$119,710
Advertising Sales Agents 41-3011 Sell or solicit advertising space, time, or media in publications, signage, TV, radio, or Internet establishments or public spaces.	1,155 32 D	HS None MOJT	\$21.78 \$45,310
Agricultural and Food Science Technicians 19-4011 Work with agricultural and food scientists in food, fiber, and animal research, production, and processing; and assist with animal breeding and nutrition.	663 27 A	A None MOJT	\$18.47 \$38,430
Agricultural Equipment Operators 45-2091 Drive and control farm equipment to till soil and to plant, cultivate, and harvest crops. May perform tasks, such as crop baling or hay bucking.	1,018 50 A	NFE None SOJT	\$11.08 \$23,050
Agricultural Inspectors 45-2011 Inspect agricultural commodities, processing equipment, and facilities, and fish and logging operations, to ensure compliance with regulations and laws governing health, quality, and safety.	413 12 BA	B None MOJT	\$21.10 \$43,880
Air Traffic Controllers 53-2021 Control air traffic on and within vicinity of airport and movement of air traffic between altitude sectors and control centers according to established procedures and policies.	99 3 D	A None LOJT	\$43.17 \$89,800
Aircraft Cargo Handling Supervisors 53-1011 Supervise and coordinate the activities of ground crew in the loading, unloading, securing, and staging of aircraft cargo or baggage. May determine the quantity and orientation of cargo and compute aircraft center of gravity.	39 1 BA	HS -5 None	\$25.13 \$52,260
Aircraft Mechanics and Service Technicians 49-3011 Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Includes helicopter and aircraft engine specialists.	768 17 D	PS None None	\$24.78 \$51,540
Airline Pilots, Copilots, and Flight Engineers 53-2011 Pilot and navigate the flight of fixed-wing, multi-engine aircraft, usually on scheduled air carrier routes, for the transport of passengers and cargo. Requires Federal Air Transport certificate and rating for specific aircraft type used.	123 2 BA	B -5 MOJT	NA \$98,520
Amusement and Recreation Attendants 39-3091 Perform a variety of attending duties at amusement or recreation facility. May schedule use of recreation facilities, maintain and provide equipment to participants of sporting events or recreational pursuits, or operate amusement concessions and rides.	1,051 70 A	NFE None SOJT	\$9.28 \$19,300
Animal Control Workers 33-9011 Handle animals for the purpose of investigations of mistreatment, or control of abandoned, dangerous, or unattended animals.	189 6 A	HS None MOJT	\$13.54 \$28,160
Animal Trainers 39-2011 Train animals for riding, harness, security, performance, or obedience, or assisting persons with disabilities. Accustom animals to human voice and contact; and condition animals to respond to commands. Train animals according to prescribed standards for show or competition.	819 42 A	HS None MOJT	\$12.12 \$25,210
Anthropologists and Archeologists 19-3091 Study the origin, development, and behavior of human beings. May study the way of life, language, or physical characteristics of people in various parts of the world.	23 0 A	M None None	\$27.44 \$57,080
Arbitrators, Mediators, and Conciliators 23-1022 Facilitate negotiation and conflict resolution through dialogue. Resolve conflicts outside of the court system by mutual consent of parties involved.	38 0 A	B -5 MOJT	\$24.62 \$51,220
Architects, Except Landscape and Naval 17-1011 Plan and design structures, such as private residences, office buildings, theaters, factories, and other structural property.	773 39 AA	B None I/R	\$33.70 \$70,100
Architectural and Engineering Managers 11-9041 Plan, direct, or coordinate activities in such fields as architecture and engineering or research and development in these fields.	554 17 BA	B 5 None	\$53.87 \$112,050
Archivists 25-4011 Appraise, edit, and direct safekeeping of permanent records and historically valuable documents. Participate in research activities based on archival materials.	87 3 A	M None None	\$25.25 \$52,510
Art Directors 27-1011 Formulate design concepts and presentation approaches for visual communications media, such as print, broadcasting, and advertising. Direct workers engaged in art work or layout design.	243 4 BA	B 5 None	\$30.50 \$63,430

Occupation	Job Outlook	Education	Earnings
Athletic Trainers 29-9091 Evaluate and advise individuals to assist recovery from or avoid athletic-related injuries or illnesses, or maintain peak physical fitness. May provide first aid or emergency care.	220 10 AA	B None None	NA \$39,400
Atmospheric and Space Scientists 19-2021 Investigate atmospheric phenomena and interpret meteorological data, gathered by surface and air stations, satellites, and radar to prepare reports and forecasts for public and other uses.	32 0 BA	B None None	\$41.95 \$87,260
Audio and Video Equipment Technicians 27-4011 Set up, or set up and operate audio and video equipment including microphones, sound speakers, video screens, projectors, video monitors, recording equipment, connecting wires and cables, sound and mixing boards.	241 8 A	PS None SOJT	\$15.22 \$31,660
Audiologists 29-1181 Assess and treat persons with hearing and related disorders. May fit hearing aids and provide auditory training. May perform research related to hearing problems.	36 1 A	D None None	\$31.60 \$65,730
Audio-Visual and Multimedia Collections Specialists 25-9011 Prepare, plan, and operate multimedia teaching aids for use in education. May record, catalogue, and file materials.	151 3 A	B -5 None	\$21.56 \$44,850
Automotive and Watercraft Service Attendants 53-6031 Service automobiles, buses, trucks, boats, and other automotive or marine vehicles with fuel, lubricants, and accessories. Collect payment for services and supplies.	1,124 75 A	NFE None SOJT	\$11.92 \$24,790
Automotive Body and Related Repairers 49-3021 Repair and refinish automotive vehicle bodies and straighten vehicle frames.	1,326 65 AA	HS None LOJT	\$18.38 \$38,230
Automotive Glass Installers and Repairers 49-3022 Replace or repair broken windshields and window glass in motor vehicles.	211 9 AA	HS None MOJT	\$14.65 \$30,460
Automotive Service Technicians and Mechanics 49-3023 Diagnose, adjust, repair, or overhaul automotive vehicles.	5,690 258 A	PS None SOJT	\$16.71 \$34,750
Avionics Technicians 49-2091 Install, inspect, test, adjust, or repair avionics equipment, such as radar, radio, navigation, and missile control systems in aircraft or space vehicles.	128 4 A	A None None	\$24.50 \$50,960
Baggage Porters and Bellhops 39-6011 Handle baggage for travelers at transportation terminals or for guests at hotels or similar establishments.	163 3 D	HS None SOJT	\$9.39 \$19,540
Bailiffs 33-3011 Maintain order in courts of law.	101 4 BA	HS None MOJT	\$16.77 \$34,880
Bakers 51-3011 Mix and bake ingredients to produce breads, rolls, cookies, cakes, pies, pastries, or other baked goods.	1,205 54 A	NFE None LOJT	\$11.14 \$23,160
Bill and Account Collectors 43-3011 Locate and notify customers of delinquent accounts by mail, telephone, or personal visit to solicit payment.	1,875 56 BA	HS None MOJT	\$15.69 \$32,630
Billing and Posting Clerks 43-3021 Compile, compute, and record billing, accounting, statistical, and other numerical data for billing purposes. Prepare billing invoices for services rendered or for delivery or shipment of goods.	4,023 156 A	HS None MOJT	\$15.04 \$31,290
Biological Technicians 19-4021 Assist biological and medical scientists in laboratories. Set up, operate, and maintain laboratory instruments and equipment, monitor experiments, make observations, and calculate and record results.	597 22 BA	B None None	\$19.86 \$41,310
Bookkeeping, Accounting, and Auditing Clerks 43-3031 Compute, classify, and record numerical data to keep financial records complete. Perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records.	13,241 161 BA	SC None MOJT	\$17.02 \$35,400
Brickmasons and Blockmasons 47-2021 Lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances to construct or repair walls, partitions, arches, sewers, and other structures.	613 25 AA	HS None App	\$18.84 \$39,200
Broadcast News Analysts 27-3021 Analyze, interpret, and broadcast news received from various sources.	46 2 BA	B None None	\$34.27 \$71,280
Broadcast Technicians 27-4012 Set up, operate, and maintain the electronic equipment used to transmit radio and television programs. Control audio equipment to regulate volume level and quality of sound during radio and television broadcasts.	131 2 BA	A None SOJT	\$18.65 \$38,790
Brokerage Clerks 43-4011 Perform duties related to the purchase, sale or holding of securities.	228 6 D	HS None MOJT	\$19.71 \$41,000
Budget Analysts 13-2031 Examine budget estimates for completeness, accuracy, and conformance with procedures and regulations. Analyze budgeting and accounting reports.	472 16 BA	B None None	\$27.95 \$58,140

Occupation	Job Outlook	Education	Earnings
Bus and Truck Mechanics and Diesel Engine Specialists 49-3031 Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.	3,263 120 A	HS None LOJT	\$18.62 \$38,720
Bus Drivers, School or Special Client 53-3022 Transport students or special clients, such as the elderly or persons with disabilities. Ensure adherence to safety rules. May assist passengers in boarding or exiting.	5,876 150 A	HS None SOJT	\$9.63 \$20,040
Butchers and Meat Cutters 51-3021 Cut, trim, or prepare consumer-sized portions of meat for use or sale in retail establishments.	1,161 42 A	NFE None LOJT	\$12.50 \$25,990
Buyers and Purchasing Agents, Farm Products 13-1021 Purchase farm products either for further processing or resale. Includes tree farm contractors, grain brokers and market operators, grain buyers, and tobacco buyers.	132 4 A	B None LOJT	\$24.39 \$50,740
Cabinetmakers and Bench Carpenters 51-7011 Cut, shape, and assemble wooden articles or set up and operate a variety of woodworking machines, such as power saws, jointers, and mortisers to surface, cut, or shape lumber or to fabricate parts for wood products.	1,244 10 D	HS None MOJT	\$15.17 \$31,550
Camera Operators, Television, Video, and Motion Picture 27-4031 Operate television, video, or motion picture camera to record images or scenes for various purposes, such as TV broadcasts, advertising, video production, or motion pictures.	99 1 A	B None None	\$24.01 \$49,950
Cardiovascular Technologists and Technicians 29-2031 Conduct tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May conduct or assist in electrocardiograms, cardiac catheterizations, pulmonary functions, lung capacity, and similar tests.	577 21 A	A None None	\$20.68 \$43,010
Career/Technical Education Teachers, Middle School 25-2023 Teach occupational, career and technical, or vocational subjects in public or private schools at the middle, intermediate, or junior high level, which falls between elementary and senior high school as defined by applicable laws and regulations.	178 7 A	B -5 I/R	NA \$49,550
Career/Technical Education Teachers, Secondary School 25-2032 Teach occupational, career and technical, or vocational subjects at the secondary school level in public or private schools.	893 32 A	B -5 I/R	NA \$52,570
Cargo and Freight Agents 43-5011 Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals, and shipping docks. Take orders from customers and arrange pickup of freight and cargo for delivery to loading platform.	687 26 BA	HS None SOJT	\$21.52 \$44,760
Carpenters 47-2031 Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors.	6,722 280 AA	HS None App	\$16.74 \$34,810
Carpet Installers 47-2041 Lay and install carpet from rolls or blocks on floors. Install padding and trim flooring materials.	289 15 AA	NFE None SOJT	\$11.78 \$24,490
Cashiers 41-2011 Receive and disburse money in establishments other than financial institutions. May use electronic scanners, cash registers, or related equipment. May process credit or debit card transactions and validate checks.	34,387 2,312 A	NFE None SOJT	\$9.40 \$19,540
Cement Masons and Concrete Finishers 47-2051 Smooth and finish surfaces of poured concrete, such as floors, walks, sidewalks, roads, or curbs using a variety of hand and power tools. Align forms for sidewalks, curbs, or gutters; patch voids; and use saws to cut expansion joints.	1,121 48 AA	NFE None MOJT	\$16.30 \$33,910
Chefs and Head Cooks 35-1011 Direct and may participate in the preparation, seasoning, and cooking of salads, soups, fish, meats, vegetables, desserts, or other foods. May plan and price menu items, order supplies, and keep records and accounts.	717 29 AA	HS 5 None	\$20.25 \$42,130
Chemical Engineers 17-2041 Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, by applying principles and technology of chemistry, physics, and engineering.	208 7 BA	B None None	\$37.88 \$78,790
Chemical Equipment Operators and Tenders 51-9011 Operate or tend equipment to control chemical changes or reactions in the processing of industrial or consumer products. Equipment used includes devulcanizers, steam-jacketed kettles, and reactor vessels.	1,180 44 BA	HS None MOJT	\$22.17 \$46,110
Chemical Plant and System Operators 51-8091 Control or operate entire chemical processes or system of machines.	204 8 BA	HS None LOJT	\$25.03 \$52,070
Chemical Technicians 19-4031 Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for research and development of new products or processes.	675 34 A	A None MOJT	\$18.65 \$38,790
Chemists 19-2031 Conduct qualitative and quantitative chemical analyses or experiments in laboratories for quality or process control or to develop new products or knowledge.	547 16 BA	B None None	\$35.60 \$74,040
Child, Family, and School Social Workers 21-1021 Provide social services and assistance to improve the social and psychological functioning of children and their families and to maximize the family well-being and the academic functioning of children.	1,421 48 A	B None None	\$17.14 \$35,640
Childcare Workers 39-9011 Attend to children at schools, businesses, private households, and childcare institutions. Perform a variety of tasks, such as dressing, feeding, bathing, and overseeing play.	13,945 609 A	HS None SOJT	\$9.47 \$19,700

Occupation	Job Outlook	Education	Earnings
Chiropractors 29-1011 Assess, treat, and care for patients by manipulation of spine and musculoskeletal system. May provide spinal adjustment or address sacral or pelvic misalignment.	536 19 A	D None None	\$30.14 \$62,690
Civil Engineering Technicians 17-3022 Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff or physical scientists.	264 14 AA	A None None	\$23.85 \$49,600
Civil Engineers 17-2051 Perform engineering duties in planning, designing, and overseeing construction and maintenance of building structures, and facilities, such as roads, railroads, airports, bridges, harbors, channels, dams, irrigation projects, pipelines, power plants, and water and sewage systems.	1,317 68 A	B None None	\$38.74 \$80,580
Claims Adjusters, Examiners, and Investigators 13-1031 Review settled claims to determine that payments and settlements are made in accordance with company practices and procedures.	1,482 52 A	HS None LOJT	\$30.03 \$62,450
Cleaners of Vehicles and Equipment 53-7061 Wash or otherwise clean vehicles, machinery, and other equipment. Use such materials as water, cleaning agents, brushes, cloths, and hoses.	3,186 185 A	NFE None SOJT	\$11.17 \$23,240
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders 51-9192 Operate or tend machines to wash or clean products, such as barrels or kegs, glass items, tin plate, food, pulp, coal, plastic, or rubber, to remove impurities.	364 17 A	NFE None MOJT	\$13.22 \$27,500
Clergy 21-2011 Conduct religious worship and perform other spiritual functions associated with beliefs and practices of religious faith or denomination. Provide spiritual and moral guidance and assistance to members.	7,887 416 AA	B None MOJT	\$20.97 \$43,620
Clinical, Counseling, and School Psychologists 19-3031 Diagnose and treat mental disorders; learning disabilities; and cognitive, behavioral, and emotional problems, using individual, child, family, and group therapies. May design and implement behavior modification programs.	794 34 A	D None I/R	\$31.00 \$64,480
Coaches and Scouts 27-2022 Instruct or coach groups or individuals in the fundamentals of sports. Demonstrate techniques and methods of participation.	1,896 97 A	B None None	NA \$49,080
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders 51-9121 Set up, operate, or tend machines to coat or paint any of a wide variety of products including, glassware, cloth, ceramics, metal, plastic, paper, or wood, with lacquer, silver, copper, rubber, varnish, glaze, enamel, oil, or rust-proofing materials.	1,044 20 D	HS None MOJT	\$15.89 \$33,050
Coin, Vending, and Amusement Machine Servicers and Repairers 49-9091 Install, service, adjust, or repair coin, vending, or amusement machines including video games, juke boxes, pinball machines, or slot machines.	306 8 A	HS None SOJT	\$14.03 \$29,190
Combined Food Preparation and Serving Workers, Including Fast Food 35-3021 Perform duties which combine preparing and serving food and nonalcoholic beverages.	27,172 1,888 AA	NFE None SOJT	\$9.05 \$18,820
Commercial and Industrial Designers 27-1021 Develop and design manufactured products, such as cars, home appliances, and children's toys. Combine artistic talent with research on product use, marketing, and materials to create the most functional and appealing product design.	112 4 A	B None None	\$33.01 \$68,650
Community Health Workers 21-1094 Assist individuals and communities to adopt healthy behaviors. Conduct outreach for medical personnel or health organizations to implement programs in the community that promote, maintain, and improve individual and community health.	422 17 A	HS None SOJT	\$18.55 \$38,570
Compensation and Benefits Managers 11-3111 Plan, direct, or coordinate compensation and benefits activities of an organization.	162 8 A	B 5 None	\$60.14 \$125,100
Compensation, Benefits, and Job Analysis Specialists 13-1141 Conduct programs of compensation and benefits and job analysis for employer. May specialize in specific areas, such as position classification and pension programs.	685 26 A	B -5 None	\$22.93 \$47,690
Compliance Officers 13-1041 Examine, evaluate, and investigate eligibility for or conformity with laws and regulations governing contract compliance of licenses and permits, and perform other compliance and enforcement inspection and analysis activities not classified elsewhere.	2,104 53 A	B None MOJT	\$25.40 \$52,840
Computer and Information Research Scientists 15-1111 Conduct research into fundamental computer and information science as theorists, designers, or inventors. Develop solutions to problems in the field of computer hardware and software.	22 0 BA	D None None	\$0.00 \$0
Computer and Information Systems Managers 11-3021 Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.	2,142 72 AA	B 5 None	\$54.00 \$112,320
Computer Hardware Engineers 17-2061 Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use.	201 9 A	B None None	\$33.81 \$70,330
Computer Network Support Specialists 15-1152 Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system.	994 28 A	A None None	\$24.09 \$50,100
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic 51-4012 Develop programs to control machining or processing of metal or plastic parts by automatic machine tools, equipment, or systems.	167 6 A	HS None LOJT	\$21.07 \$43,820

Occupation	Job Outlook	Education	Earnings
Computer Operators 43-9011 Monitor and control electronic computer and peripheral electronic data processing equipment to process business, scientific, engineering, and other data according to operating instructions.	1,031 12 BA	HS None MOJT	\$17.66 \$36,740
Computer Programmers 15-1131 Create, modify, and test the code, forms, and script that allow computer applications to run. Work from specifications drawn up by software developers or other individuals.	3,455 126 A	B None None	\$34.64 \$72,040
Computer Systems Analysts 15-1121 Analyze science, engineering, business, and other data processing problems to implement and improve computer systems.	3,200 138 AA	B None None	\$32.50 \$67,600
Computer User Support Specialists 15-1151 Provide technical assistance to computer users. Answer questions or resolve computer problems for clients in person, or via telephone or electronically.	4,096 132 A	SC None None	\$19.40 \$40,350
Computer, Automated Teller, and Office Machine Repairers 49-2011 Repair, maintain, or install computers, word processing systems, automated teller machines, and electronic office machines, such as duplicating and fax machines.	1,042 36 A	SC None SOJT	\$15.91 \$33,090
Computer-Controlled Machine Tool Operators, Metal and Plastic 51-4011 Operate computer-controlled machines or robots to perform one or more machine functions on metal or plastic work pieces.	1,473 68 A	HS None MOJT	\$17.68 \$36,780
Concierges 39-6012 Assist patrons at hotel, apartment, or office building with personal services. May take messages, arrange or give advice on transportation, business services or entertainment, or monitor guest requests for housekeeping and maintenance.	25 0 A	HS None MOJT	\$13.38 \$27,830
Conservation Scientists 19-1031 Manage, improve, and protect natural resources to maximize their use without damaging the environment. May conduct soil surveys and develop plans to eliminate soil erosion or to protect rangelands.	253 12 BA	B None None	\$22.50 \$46,810
Construction and Building Inspectors 47-4011 Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.	618 26 A	HS 5 MOJT	\$22.16 \$46,090
Construction Laborers 47-2061 Perform tasks involving physical labor at construction sites. May operate hand and power tools of all types: air hammers, earth tampers, cement mixers, small mechanical hoists, surveying and measuring equipment, and a variety of other equipment and instruments.	9,942 454 AA	NFE None SOJT	\$12.38 \$25,750
Continuous Mining Machine Operators 47-5041 Operate self-propelled mining machines that rip coal, metal and nonmetal ores, rock, stone, or sand from the mine face and load it onto conveyors or into shuttle cars in a continuous operation.	187 3 D	NFE None MOJT	\$17.08 \$35,530
Control and Valve Installers and Repairers, Except Mechanical Door 49-9012 Install, repair, and maintain mechanical regulating and controlling devices, such as electric meters, gas regulators, thermostats, safety and flow valves, and other mechanical governors.	435 14 D	HS None MOJT	\$23.37 \$48,610
Conveyor Operators and Tenders 53-7011 Control or tend conveyors or conveyor systems that move materials or products to and from stockpiles, processing stations, departments, or vehicles. May control speed and routing of materials or products.	626 25 A	NFE None SOJT	\$15.92 \$33,120
Cooks, Fast Food 35-2011 Prepare and cook food in a fast food restaurant with a limited menu. Duties of these cooks are limited to preparation of a few basic items and normally involve operating large-volume single-purpose cooking equipment.	8,634 269 BA	NFE None SOJT	\$8.97 \$18,660
Cooks, Institution and Cafeteria 35-2012 Prepare and cook large quantities of food for institutions, such as schools, hospitals, or cafeterias.	7,106 276 A	NFE None SOJT	\$9.79 \$20,360
Cooks, Restaurant 35-2014 Prepare, season, and cook dishes such as soups, meats, vegetables, or desserts in restaurants. May order supplies, keep records and accounts, price items on menu, or plan menu.	9,349 576 AA	NFE -5 MOJT	\$10.67 \$22,200
Cooks, Short Order 35-2015 Prepare and cook to order a variety of foods that require only a short preparation time. May take orders from customers and serve patrons at counters or tables.	865 37 A	NFE None SOJT	\$9.94 \$20,670
Cooling and Freezing Equipment Operators and Tenders 51-9193 Operate or tend equipment, such as cooling and freezing units, refrigerators, batch freezers, and freezing tunnels, to cool or freeze products, food, blood plasma, and chemicals.	686 21 A	HS None MOJT	\$13.88 \$28,860
Correctional Officers and Jailers 33-3012 Guard inmates in penal or rehabilitative institutions in accordance with established regulations and procedures. May guard prisoners in transit between jail, courtroom, prison, or other point.	5,343 190 BA	HS None MOJT	\$16.15 \$33,600
Cost Estimators 13-1051 Prepare cost estimates for product manufacturing, construction projects, or services to aid management in bidding on or determining price of product or service.	1,362 77 AA	B None None	\$27.57 \$57,340
Counter and Rental Clerks 41-2021 Receive orders, generally in person, for repairs, rentals, and services. May describe available options, compute cost, and accept payment.	3,288 134 A	NFE None SOJT	\$11.86 \$24,670
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop 35-3022 Serve food to diners at counter or from a steam table.	1,680 194 A	NFE None SOJT	\$9.50 \$19,750

Occupation	Job Outlook	Education	Earnings
Couriers and Messengers 43-5021 Pick up and deliver messages, documents, packages, and other items between offices or departments within an establishment or directly to other business concerns, traveling by foot, bicycle, motorcycle, automobile, or public conveyance.	624 19 A	HS None SOJT	\$12.50 \$26,010
Court Reporters 23-2091 Use verbatim methods and equipment to capture, store, retrieve, and transcribe pretrial and trial proceedings or other information.	225 4 BA	PS None SOJT	\$20.52 \$42,670
Court, Municipal, and License Clerks 43-4031 Perform clerical duties for courts of law, municipalities, or governmental licensing agencies and bureaus.	1,162 19 BA	HS None MOJT	\$14.29 \$29,720
Crane and Tower Operators 53-7021 Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions.	654 44 AA	HS -5 MOJT	\$20.33 \$42,290
Credit Analysts 13-2041 Analyze credit data and financial statements of individuals or firms to determine the degree of risk involved in extending credit or lending money. Prepare reports with credit information for use in decision making.	330 22 AA	B None None	\$33.38 \$69,440
Credit Authorizers, Checkers, and Clerks 43-4041 Authorize credit charges against customers' accounts. Investigate history and credit standing of individuals or business establishments applying for credit.	115 3 A	HS None MOJT	\$15.30 \$31,830
Credit Counselors 13-2071 Advise and educate individuals or organizations on acquiring and managing debt. May provide guidance in determining the best type of loan and explaining loan requirements or restrictions.	90 4 A	B None MOJT	\$25.87 \$53,800
Crossing Guards 33-9091 Guide or control vehicular or pedestrian traffic at such places as streets, schools, railroad crossings, or construction sites.	135 4 A	NFE None SOJT	\$9.45 \$19,670
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders 51-9021 Set up, operate, or tend machines to crush, grind, or polish materials, such as coal, glass, grain, stone, food, or rubber.	443 9 D	HS None MOJT	\$14.50 \$30,160
Curators 25-4012 Administer collections, such as artwork, collectibles, historic items, or scientific specimens of museums or other institutions. May conduct instructional, research, or public service activities of institution.	69 5 AA	M None None	\$22.44 \$46,680
Customer Service Representatives 43-4051 Interact with customers to provide information in response to inquiries about products and services and to handle and resolve complaints.	18,936 691 A	HS None SOJT	\$15.28 \$31,770
Cutting and Slicing Machine Setters, Operators, and Tenders 51-9032 Set up, operate, or tend machines that cut or slice materials, such as glass, stone, cork, rubber, tobacco, food, paper, or insulating material.	1,478 32 D	HS None SOJT	\$16.52 \$34,370
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic 51-4031 Set up, operate, or tend machines to saw, cut, shear, slit, punch, crimp, notch, bend, or straighten metal or plastic material.	2,848 39 D	HS None MOJT	\$16.71 \$34,760
Database Administrators 15-1141 Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases.	787 34 AA	B -5 None	\$36.77 \$76,470
Dental Assistants 31-9091 Assist dentist, set up equipment, prepare patient for treatment, and keep records.	2,540 114 A	PS None None	\$15.52 \$32,280
Dental Hygienists 29-2021 Clean teeth and examine oral areas, head, and neck for signs of oral disease. May educate patients on oral hygiene, take and develop x rays, or apply fluoride or sealants.	1,422 48 A	A None None	\$31.47 \$65,450
Dental Laboratory Technicians 51-9081 Construct and repair full or partial dentures or dental appliances.	442 29 AA	HS None MOJT	\$18.14 \$37,740
Dentists, General 29-1021 Examine, diagnose, and treat diseases, injuries, and malformations of teeth and gums. May treat diseases of nerve, pulp, and other dental tissues affecting oral hygiene and retention of teeth.	977 37 A	D None None	\$89.03 \$185,170
Desktop Publishers 43-9031 Format typescript and graphic elements using computer software to produce publication-ready material.	72 2 D	A None SOJT	\$19.91 \$41,420
Detectives and Criminal Investigators 33-3021 Conduct investigations related to suspected violations of Federal, State, or local laws to prevent or solve crimes.	490 12 BA	HS -5 MOJT	\$27.67 \$57,550
Diagnostic Medical Sonographers 29-2032 Produce ultrasonic recordings of internal organs for use by physicians.	374 16 AA	A None None	\$29.37 \$61,090
Dietetic Technicians 29-2051 Assist in the provision of food service and nutritional programs, under the supervision of a dietitian. May plan and produce meals based on established guidelines, teach principles of food and nutrition, or counsel individuals.	180 6 A	A None None	\$13.53 \$28,150

Occupation	Job Outlook	Education	Earnings
Dietitians and Nutritionists 29-1031 Plan and conduct food service or nutritional programs to assist in the promotion of health and control of disease. May supervise activities of a department providing quantity food services, counsel individuals, or conduct nutritional research.	592 16 A	B None I/R	\$26.34 \$54,790
Dishwashers 35-9021 Clean dishes, kitchen, food preparation equipment, or utensils.	3,471 240 A	NFE None SOJT	\$9.12 \$18,970
Dispatchers, Except Police, Fire, and Ambulance 43-5032 Schedule and dispatch workers, work crews, equipment, or service vehicles for conveyance of materials, freight, or passengers, or for normal installation, service, or emergency repairs rendered outside the place of business.	1,697 65 A	HS None MOJT	\$17.10 \$35,560
Drywall and Ceiling Tile Installers 47-2081 Apply plasterboard or other wallboard to ceilings or interior walls of buildings. Apply or mount acoustical tiles or blocks, strips, or sheets of shock-absorbing materials to ceilings and walls of buildings to reduce or reflect sound. Materials may be of decorative quality.	653 46 AA	NFE None MOJT	\$16.01 \$33,290
Economists 19-3011 Conduct research, prepare reports, or formulate plans to address economic problems related to the production and distribution of goods and services or monetary and fiscal policy.	95 4 A	M None None	\$32.88 \$68,400
Editors 27-3041 Plan, coordinate, or edit content of material for publication. May review proposals and drafts for possible publication. Includes technical editors.	623 22 D	B -5 None	\$21.51 \$44,740
Education Administrators, Elementary and Secondary School 11-9032 Plan, direct, or coordinate the academic, administrative, or auxiliary activities of public or private elementary or secondary level schools.	2,363 110 A	M 5 None	NA \$78,200
Education Administrators, Preschool and Childcare Center/Program 11-9031 Plan, direct, or coordinate the academic and nonacademic activities of preschool and childcare centers or programs.	682 32 A	B -5 None	\$23.75 \$49,410
Educational, Guidance, School, and Vocational Counselors 21-1012 Counsel individuals and provide group educational and vocational guidance services.	2,181 78 A	M None None	\$25.75 \$53,550
Electrical and Electronic Equipment Assemblers 51-2022 Assemble or modify electrical or electronic equipment, such as computers, test equipment telemetering systems, electric motors, and batteries.	1,014 13 D	HS None MOJT	\$15.68 \$32,610
Electrical and Electronics Drafters 17-3012 Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.	143 6 AA	A None None	\$25.58 \$53,200
Electrical and Electronics Engineering Technicians 17-3023 Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff.	550 15 BA	A None None	\$28.97 \$60,260
Electrical and Electronics Repairers, Commercial and Industrial Equipment 49-2094 Repair, test, adjust, or install electronic equipment, such as industrial controls, transmitters, and antennas.	446 8 D	PS None LOJT	\$21.46 \$44,630
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay 49-2095 Inspect, test, repair, or maintain electrical equipment in generating stations, substations, and in-service relays.	88 2 BA	PS None LOJT	\$35.65 \$74,160
Electrical Engineers 17-2071 Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.	769 19 BA	B None None	\$39.63 \$82,430
Electrical Power-Line Installers and Repairers 49-9051 Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.	1,551 60 BA	HS None LOJT	\$31.31 \$65,130
Electricians 47-2111 Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.	5,923 260 AA	HS None App	\$20.45 \$42,540
Electronic Home Entertainment Equipment Installers and Repairers 49-2097 Repair, adjust, or install audio or television receivers, stereo systems, camcorders, video systems, or other electronic home entertainment equipment.	290 8 A	PS None SOJT	\$15.28 \$31,770
Electronics Engineers, Except Computer 17-2072 Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use employing knowledge of electronic theory and materials properties.	261 10 A	B None None	\$34.19 \$71,110
Elementary School Teachers, Except Special Education 25-2021 Teach students basic academic, social, and other formative skills in public or private schools at the elementary level.	11,853 465 A	B None I/R	NA \$46,950
Elevator Installers and Repairers 47-4021 Assemble, install, repair, or maintain electric or hydraulic freight or passenger elevators, escalators, or dumbwaiters.	64 3 AA	HS None App	\$30.22 \$62,850
Eligibility Interviewers, Government Programs 43-4061 Determine eligibility of persons applying to receive assistance from government programs and agency resources, such as welfare, unemployment benefits, social security, and public housing.	1,732 28 BA	HS None MOJT	\$16.46 \$34,240

Occupation	Job Outlook	Education	Earnings
Embalmers 39-4011 Prepare bodies for interment in conformity with legal requirements.	88 2 BA	PS None SOJT	\$22.36 \$46,510
Emergency Management Directors 11-9161 Plan and direct disaster response or crisis management activities, provide disaster preparedness training, and prepare emergency plans and procedures for natural, wartime, or technological disasters or hostage situations.	116 2 BA	B 5 None	\$22.25 \$46,280
Emergency Medical Technicians and Paramedics 29-2041 Assess injuries, administer emergency medical care, and extricate trapped individuals. Transport injured or sick persons to medical facilities.	2,319 98 AA	PS None None	\$13.83 \$28,770
Environmental Engineering Technicians 17-3025 Apply theory and principles of environmental engineering to modify, test, and operate equipment and devices used in the prevention, control, and remediation of environmental problems, including waste treatment and site remediation.	189 6 A	A None None	\$21.65 \$45,030
Environmental Engineers 17-2081 Research, design, plan, or perform engineering duties in the prevention, control, and remediation of environmental hazards using various engineering disciplines.	169 10 AA	B None None	\$45.09 \$93,790
Environmental Science and Protection Technicians, Including Health 19-4091 Perform laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health, under the direction of an environmental scientist, engineer, or other specialist.	169 10 A	A None None	\$19.20 \$39,930
Environmental Scientists and Specialists, Including Health 19-2041 Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.	312 15 A	B None None	\$28.09 \$58,440
Epidemiologists 19-1041 Investigate and describe the determinants and distribution of disease, disability, or health outcomes. May develop the means for prevention and control.	50 2 A	M None None	\$30.01 \$62,420
Excavating and Loading Machine and Dragline Operators 53-7032 Operate or tend machinery equipped with scoops, shovels, or buckets, to excavate and load loose materials.	541 13 A	HS -5 MOJT	\$16.21 \$33,730
Executive Secretaries and Executive Administrative Assistants 43-6011 Provide high-level administrative support by conducting research, preparing statistical reports, handling information requests, and performing clerical functions such as preparing correspondence, receiving visitors, arranging conference calls, and scheduling meetings.	3,210 52 BA	HS -5 None	\$22.64 \$47,080
Exercise Physiologists 29-1128 Assess, plan, or implement fitness programs that include exercise or physical activities such as those designed to improve cardiorespiratory function, body composition, muscular strength, muscular endurance, or flexibility.	103 2 A	B None None	\$29.17 \$60,670
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic 51-4021 Set up, operate, or tend machines to extrude or draw thermoplastic or metal materials into tubes, rods, hoses, wire, bars, or structural shapes.	628 16 D	HS None MOJT	\$17.81 \$37,050
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers 51-6091 Set up, operate, or tend machines that extrude and form continuous filaments from synthetic materials, such as liquid polymer, rayon, and fiberglass.	90 5 AA	HS None MOJT	\$14.23 \$29,590
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders 51-9041 Set up, operate, or tend machines, such as glass forming machines, plodder machines, and tuber machines, to shape and form products, such as glassware, food, rubber, soap, brick, tile, clay, wax, tobacco, or cosmetics.	1,061 38 BA	HS None MOJT	\$17.68 \$36,780
Family and General Practitioners 29-1062 Physicians who diagnose, treat, and help prevent diseases and injuries that commonly occur in the general population. May refer patients to specialists when needed for further diagnosis or treatment.	1,782 78 A	D None I/R	\$102.16 \$212,480
Farm and Home Management Advisors 25-9021 Advise, instruct, and assist individuals and families engaged in agriculture, agricultural-related processes, or home economics activities.	297 8 A	M None None	\$26.58 \$55,280
Farmers, Ranchers, and Other Agricultural Managers 11-9013 Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments.	59,892 1,724 A	HS 5 None	\$41.44 \$86,200
Farmworkers and Laborers, Crop, Nursery, and Greenhouse 45-2092 Manually plant, cultivate, and harvest vegetables, fruits, nuts, horticultural specialties, and field crops. Use hand tools, such as shovels, trowels, hoes, tampers, pruning hooks, shears, and knives.	6,559 264 A	NFE None SOJT	\$11.10 \$23,100
Farmworkers, Farm, Ranch, and Aquacultural Animals 45-2093 Attend to live farm, ranch, or aquacultural animals that may include cattle, sheep, swine, goats, horses and other equines, poultry, finfish, shellfish, and bees. Attend to animals produced for animal products, such as meat, fur, skins, feathers, eggs, milk, and honey.	3,163 185 AA	NFE None SOJT	\$11.43 \$23,770
Fiberglass Laminators and Fabricators 51-2091 Laminate layers of fiberglass on molds to form boat decks and hulls, bodies for golf carts, automobiles, or other products.	847 44 AA	HS None MOJT	\$14.24 \$29,620
Film and Video Editors 27-4032 Edit moving images on film, video, or other media. May edit or synchronize soundtracks with images.	138 5 AA	B None None	\$19.84 \$41,260
Financial Analysts 13-2051 Conduct quantitative analyses of information affecting investment programs of public or private institutions.	868 21 BA	B None None	\$32.98 \$68,590

Occupation	Job Outlook	Education	Earnings
Financial Examiners 13-2061 Enforce or ensure compliance with laws and regulations governing financial and securities institutions and financial and real estate transactions. May examine, verify, or authenticate records.	174 7 A	B None MOJT	\$35.38 \$73,580
Financial Managers 11-3031 Plan, direct, or coordinate accounting, investing, banking, insurance, securities, and other financial activities of a branch, office, or department of an establishment.	2,937 116 A	B 5 None	\$47.09 \$97,940
Fine Artists, Including Painters, Sculptors, and Illustrators 27-1013 Create original artwork using any of a wide variety of media and techniques.	165 6 A	B None LOJT	\$10.98 \$22,850
Fire Inspectors and Investigators 33-2021 Inspect buildings to detect fire hazards and enforce local ordinances and State laws, or investigate and gather facts to determine cause of fires and explosions.	40 1 A	PS 5 MOJT	\$21.13 \$43,960
Firefighters 33-2011 Control and extinguish fires or respond to emergency situations where life, property, or the environment is at risk. Duties may include fire prevention, emergency medical service, hazardous material response, search and rescue, and disaster assistance.	2,531 94 BA	PS None LOJT	\$17.11 \$35,590
First-Line Supervisors of Construction Trades and Extraction Workers 47-1011 Directly supervise and coordinate activities of construction or extraction workers.	5,948 178 A	HS 5 None	\$25.37 \$52,760
First-Line Supervisors of Correctional Officers 33-1011 Directly supervise and coordinate activities of correctional officers and jailers.	323 11 BA	HS -5 MOJT	\$22.43 \$46,650
First-Line Supervisors of Fire Fighting and Prevention Workers 33-1021 Directly supervise and coordinate activities of workers engaged in fire fighting and fire prevention and control.	751 38 BA	PS -5 MOJT	\$25.71 \$53,480
First-Line Supervisors of Food Preparation and Serving Workers 35-1012 Directly supervise and coordinate activities of workers engaged in preparing and serving food.	9,343 557 AA	HS -5 None	\$13.42 \$27,920
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand 53-1021 Directly supervise and coordinate the activities of helpers, laborers, or material movers.	1,348 69 A	HS -5 None	\$23.97 \$49,850
First-Line Supervisors of Housekeeping and Janitorial Workers 37-1011 Directly supervise and coordinate work activities of cleaning personnel in hotels, hospitals, offices, and other establishments.	2,370 72 A	HS -5 None	\$15.38 \$32,000
First-Line Supervisors of Mechanics, Installers, and Repairers 49-1011 Directly supervise and coordinate the activities of mechanics, installers, and repairers. Excludes team or work leaders.	4,811 150 A	HS -5 None	\$27.40 \$56,990
First-Line Supervisors of Non-Retail Sales Workers 41-1012 Directly supervise and coordinate activities of sales workers other than retail sales workers. May perform duties, such as budgeting, accounting, and personnel work, in addition to supervisory duties.	4,100 93 A	HS -5 None	\$36.25 \$75,400
First-Line Supervisors of Office and Administrative Support Workers 43-1011 Directly supervise and coordinate the activities of clerical and administrative support workers.	15,284 490 A	HS -5 None	\$23.16 \$48,170
First-Line Supervisors of Personal Service Workers 39-1021 Directly supervise and coordinate activities of personal service workers, such as flight attendants, hairdressers, or caddies.	1,839 66 A	HS -5 None	\$15.26 \$31,730
First-Line Supervisors of Police and Detectives 33-1012 Directly supervise and coordinate activities of members of police force.	1,328 58 A	HS -5 MOJT	\$25.86 \$53,790
First-Line Supervisors of Production and Operating Workers 51-1011 Directly supervise and coordinate the activities of production and operating workers, such as inspectors, precision workers, machine setters and operators, assemblers, fabricators, and plant and system operators.	8,123 176 BA	HS -5 None	\$25.71 \$53,470
First-Line Supervisors of Retail Sales Workers 41-1011 Directly supervise and coordinate activities of retail sales workers in an establishment or department. Duties may include management functions, such as purchasing, budgeting, accounting, and personnel work, in addition to supervisory duties.	17,472 667 A	HS -5 None	\$18.05 \$37,550
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators 53-1031 Directly supervise and coordinate activities of transportation and material-moving machine and vehicle operators and helpers.	2,665 108 A	HS -5 None	\$24.00 \$49,920
Fitness Trainers and Aerobics Instructors 39-9031 Instruct or coach groups or individuals in exercise activities. Demonstrate techniques and form, observe participants, and explain to them corrective measures necessary to improve their skills.	1,349 63 AA	HS None SOJT	\$15.31 \$31,840
Floral Designers 27-1023 Design, cut, and arrange live, dried, or artificial flowers and foliage.	425 12 BA	HS None MOJT	\$11.94 \$24,830
Food Batchmakers 51-3092 Set up and operate equipment that mixes or blends ingredients used in the manufacturing of food products. Includes candy makers and cheese makers.	1,829 60 A	HS None MOJT	\$12.28 \$25,540

Occupation	Job Outlook	Education	Earnings
Food Preparation Workers 35-2021 Perform a variety of food preparation duties other than cooking, such as preparing cold foods and shellfish, slicing meat, and brewing coffee or tea.	7,819 421 A	NFE None SOJT	\$9.66 \$20,090
Food Scientists and Technologists 19-1012 Use chemistry, microbiology, engineering, and other sciences to study the principles underlying the processing and deterioration of foods; analyze food content to determine levels of vitamins, fat, sugar, and protein.	357 18 A	B None None	\$37.99 \$79,010
Food Servers, Nonrestaurant 35-3041 Serve food to individuals outside of a restaurant environment, such as in hotel rooms, hospital rooms, residential care facilities, or cars.	2,085 80 A	NFE None SOJT	\$9.30 \$19,350
Food Service Managers 11-9051 Plan, direct, or coordinate activities of an organization or department that serves food and beverages.	2,335 94 A	HS -5 None	\$22.57 \$46,950
Forensic Science Technicians 19-4092 Collect, identify, classify, and analyze physical evidence related to criminal investigations. Perform tests on weapons or substances, such as fiber, hair, and tissue to determine significance to investigation.	149 10 AA	B None MOJT	\$19.39 \$40,330
Forest and Conservation Technicians 19-4093 Provide technical assistance regarding the conservation of soil, water, forests, or related natural resources. May compile data pertaining to size, content, condition, and other characteristics of forest tracts, under the direction of foresters.	255 10 BA	A None None	\$20.46 \$42,560
Forest Fire Inspectors and Prevention Specialists 33-2022 Enforce fire regulations, inspect forest for fire hazards and recommend forest fire prevention or control measures. May report forest fires and weather conditions.	172 8 A	HS -5 MOJT	\$16.43 \$34,180
Foresters 19-1032 Manage public and private forested lands for economic, recreational, and conservation purposes. May inventory the type, amount, and location of standing timber, appraise the timber's worth, negotiate the purchase, and draw up contracts for procurement.	391 15 BA	B None None	\$27.36 \$56,910
Forging Machine Setters, Operators, and Tenders, Metal and Plastic 51-4022 Set up, operate, or tend forging machines to taper, shape, or form metal or plastic parts.	90 4 AA	HS None MOJT	\$15.71 \$32,680
Fundraisers 13-1131 Organize activities to raise funds or otherwise solicit and gather monetary donations or other gifts for an organization. May design and produce promotional materials. May also raise awareness of the organization's work, goals, and financial needs.	320 12 A	B None None	\$20.08 \$41,760
Funeral Attendants 39-4021 Perform a variety of tasks during funeral, such as placing casket in parlor or chapel prior to service; arranging floral offerings or lights around casket; directing or escorting mourners; closing casket; and issuing and storing funeral equipment.	411 13 BA	HS None SOJT	\$9.86 \$20,520
Funeral Service Managers 11-9061 Plan, direct, or coordinate the services or resources of funeral homes. Includes activities such as determining prices for services or merchandise and managing the facilities of funeral homes.	462 16 A	A -5 None	\$33.55 \$69,780
Gas Plant Operators 51-8092 Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main pipelines.	137 4 D	HS None LOJT	\$30.25 \$62,910
General and Operations Managers 11-1021 Plan, direct, or coordinate the operations of public or private sector organizations.	20,388 831 A	B 5 None	\$40.76 \$84,770
Glaziers 47-2121 Install glass in windows, skylights, store fronts, and display cases, or on surfaces, such as building fronts, interior walls, ceilings, and tabletops.	454 14 A	HS None App	\$16.82 \$34,990
Graders and Sorters, Agricultural Products 45-2041 Grade, sort, or classify unprocessed food and other agricultural products by size, weight, color, or condition.	1,715 22 D	NFE None SOJT	\$11.14 \$23,180
Graduate Teaching Assistants 25-1191 Assist faculty or other instructional staff in postsecondary institutions by performing teaching or teaching-related duties, such as teaching lower level courses, developing teaching materials, preparing and giving examinations, and grading examinations or papers.	1,688 46 A	B None None	NA \$19,880
Graphic Designers 27-1024 Design or create graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. May use a variety of mediums to achieve artistic or decorative effects.	1,279 30 D	B None None	\$18.74 \$38,980
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic 51-4033 Set up, operate, or tend grinding and related tools that remove excess material or burrs from surfaces, sharpen edges or corners, or buff, hone, or polish metal or plastic work pieces.	685 28 D	HS None MOJT	\$16.26 \$33,820
Hairdressers, Hairstylists, and Cosmetologists 39-5012 Provide beauty services, such as shampooing, cutting, coloring, and styling hair, and massaging and treating scalp. May apply makeup, dress wigs, perform hair removal, and provide nail and skin care services.	3,399 149 A	PS None None	\$12.60 \$26,210
Hazardous Materials Removal Workers 47-4041 Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, or contaminated soil. Specialized training and certification in hazardous materials handling may be required.	146 3 BA	HS None MOJT	\$14.34 \$29,830
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors 17-2111 Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws.	103 5 A	B None None	\$35.69 \$74,240

Occupation	Job Outlook	Education	Earnings
Health Educators 21-1091 Provide and manage health education programs that help individuals, families, and their communities maximize and maintain healthy lifestyles.	388 13 A	B None None	\$21.47 \$44,660
Healthcare Social Workers 21-1022 Provide individuals, families, and groups with the psychosocial support needed to cope with chronic, acute, or terminal illnesses. Services include advising family care givers, providing patient education and counseling, and making referrals for other services.	1,345 60 A	M None None	\$20.86 \$43,390
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic 51-4191 Set up, operate, or tend heating equipment, such as heat-treating furnaces, flame-hardening machines, induction machines, soaking pits, or vacuum equipment to temper, harden, anneal, or heat-treat metal or plastic objects.	224 4 D	HS None MOJT	\$16.91 \$35,170
Heating, Air Conditioning, and Refrigeration Mechanics and Installers 49-9021 Install or repair heating, central air conditioning, or refrigeration systems, including oil burners, hot-air furnaces, and heating stoves.	2,839 132 AA	PS None LOJT	\$18.02 \$37,470
Heavy and Tractor-Trailer Truck Drivers 53-3032 Drive a tractor-trailer combination or a truck with a capacity of at least 26,000 pounds Gross Vehicle Weight (GVW). May be required to unload truck. Requires commercial drivers' license.	35,834 928 BA	PS None SOJT	\$18.95 \$39,430
Highway Maintenance Workers 47-4051 Maintain highways, municipal and rural roads, airport runways, and rights-of-way. Duties include patching broken or eroded pavement, repairing guard rails, highway markers, and snow fences.	1,816 61 BA	HS None MOJT	\$14.09 \$29,310
Home Appliance Repairers 49-9031 Repair, adjust, or install all types of electric or gas household appliances, such as refrigerators, washers, dryers, and ovens.	287 9 BA	HS None MOJT	\$16.88 \$35,100
Home Health Aides 31-1011 Provide routine individualized healthcare such as changing bandages and dressing wounds, and applying topical medications to the elderly, convalescents, or persons with disabilities at the patient's home or in a care facility. Monitor or report changes in health status.	7,485 304 A	NFE None SOJT	\$9.53 \$19,820
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop 35-9031 Welcome patrons, seat them at tables or in lounge, and help ensure quality of facilities and service.	1,922 237 A	NFE None None	\$9.22 \$19,170
Hotel, Motel, and Resort Desk Clerks 43-4081 Accommodate hotel, motel, and resort patrons by registering and assigning rooms to guests, issuing room keys or cards, transmitting and receiving messages, keeping records of occupied rooms and guests' accounts, making and confirming reservations.	2,448 161 A	HS None SOJT	\$9.18 \$19,080
Human Resources Assistants, Except Payroll and Timekeeping 43-4161 Compile and keep personnel records. Record data for each employee, such as address, weekly earnings, absences, amount of sales or production, supervisory reports, and date of and reason for termination.	1,405 25 BA	A None None	\$17.13 \$35,620
Human Resources Managers 11-3121 Plan, direct, or coordinate human resources activities and staff of an organization.	859 38 A	B 5 None	\$42.61 \$88,640
Human Resources Specialists 13-1071 Perform activities in the human resource area. Includes employment specialists who screen, recruit, interview, and place workers.	2,719 94 A	B None None	\$25.38 \$52,790
Industrial Engineering Technicians 17-3026 Apply engineering theory and principles to problems of industrial layout or manufacturing production, usually under the direction of engineering staff.	315 8 BA	A None None	\$22.80 \$47,410
Industrial Engineers 17-2112 Design, develop, test, and evaluate integrated systems for managing industrial production processes, including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.	1,574 53 BA	B None None	\$36.64 \$76,210
Industrial Machinery Mechanics 49-9041 Repair, install, adjust, or maintain industrial production and processing machinery or refinery and pipeline distribution systems.	4,581 222 A	HS None LOJT	\$22.49 \$46,780
Industrial Production Managers 11-3051 Plan, direct, or coordinate the work activities and resources necessary for manufacturing products in accordance with cost, quality, and quantity specifications.	1,924 66 BA	B 5 None	\$44.42 \$92,400
Industrial Truck and Tractor Operators 53-7051 Operate industrial trucks or tractors equipped to move materials around a warehouse, storage yard, factory, construction site, or similar location.	6,493 260 A	NFE None SOJT	\$14.73 \$30,630
Information Security Analysts 15-1122 Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure.	2,283 108 AA	B -5 None	\$38.70 \$80,500
Inspectors, Testers, Sorters, Samplers, and Weighers 51-9061 Inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications.	6,112 205 BA	HS None MOJT	\$16.20 \$33,700
Insurance Claims and Policy Processing Clerks 43-9041 Process new insurance policies, modifications to existing policies, and claims forms. Obtain information from policyholders to verify the accuracy and completeness of information on claims forms, applications and related documents, and company records.	971 46 A	HS None MOJT	\$16.57 \$34,470
Insurance Sales Agents 41-3021 Sell life, property, casualty, health, automotive, or other types of insurance. May refer clients to independent brokers, work as an independent broker, or be employed by an insurance company.	5,445 250 A	HS None MOJT	\$26.73 \$55,600

Occupation	Job Outlook	Education	Earnings
Interior Designers 27-1025 Plan, design, and furnish interiors of residential, commercial, or industrial buildings. Formulate design which is practical, aesthetic, and conducive to intended purposes, such as raising productivity, selling merchandise, or improving life style.	253 6 D	B None None	\$22.21 \$46,200
Internists, General 29-1063 Physicians who diagnose and provide non-surgical treatment of diseases and injuries of internal organ systems. Provide care mainly for adults who have a wide range of problems associated with the internal organs.	364 16 A	D None I/R	\$128.36 \$266,980
Interpreters and Translators 27-3091 Interpret oral or sign language, or translate written text from one language into another.	209 10 AA	B None SOJT	\$16.24 \$33,770
Janitors and Cleaners, Except Maids and Housekeeping Cleaners 37-2011 Keep buildings in clean and orderly condition. Perform heavy cleaning duties, such as cleaning floors, shampooing rugs, washing walls and glass, and removing rubbish.	19,172 685 A	NFE None SOJT	\$10.59 \$22,020
Jewelers and Precious Stone and Metal Workers 51-9071 Design, fabricate, adjust, repair, or appraise jewelry, gold, silver, other precious metals, or gems.	204 3 D	HS None LOJT	\$25.89 \$53,850
Judges, Magistrate Judges, and Magistrates 23-1023 Arbitrate, advise, adjudicate, or administer justice in a court of law. May sentence defendant in criminal cases according to government statutes or sentencing guidelines. May determine liability of defendant in civil cases. May perform wedding ceremonies.	330 6 BA	D 5 SOJT	\$50.70 \$105,460
Judicial Law Clerks 23-1012 Assist judges in court or by conducting research or preparing legal documents.	76 2 BA	D None None	\$23.13 \$48,110
Kindergarten Teachers, Except Special Education 25-2012 Teach elemental natural and social science, personal hygiene, music, art, and literature to kindergarten students. Promote physical, mental, and social development. May be required to hold State certification.	2,029 94 A	B None I/R	NA \$45,850
Labor Relations Specialists 13-1075 Resolve disputes between workers and managers, negotiate collective bargaining agreements, or coordinate grievance procedures to handle employee complaints.	836 19 D	B -5 None	\$26.61 \$55,350
Laborers and Freight, Stock, and Material Movers, Hand 53-7062 Manually move freight, stock, or other materials or perform other general labor.	26,678 1,306 A	NFE None SOJT	\$12.08 \$25,120
Landscape Architects 17-1012 Plan and design land areas for projects such as parks and other recreational facilities, airports, highways, hospitals, schools, land subdivisions, and commercial, industrial, and residential sites.	109 5 AA	B None I/R	\$25.76 \$53,580
Laundry and Dry-Cleaning Workers 51-6011 Operate or tend washing or dry-cleaning machines to wash or dry-clean industrial or household articles, such as cloth garments, suede, leather, furs, blankets, draperies, linens, rugs, and carpets.	1,758 26 D	NFE None SOJT	\$9.75 \$20,270
Lawyers 23-1011 Represent clients in criminal and civil litigation and other legal proceedings, draw up legal documents, or manage or advise clients on legal transactions. May specialize in a single area or may practice broadly in many areas of law.	4,130 120 A	D None None	\$49.99 \$103,980
Layout Workers, Metal and Plastic 51-4192 Lay out reference points and dimensions on metal or plastic stock or workpieces, such as sheets, plates, tubes, structural shapes, castings, or machine parts, for further processing.	41 0 D	HS None MOJT	\$21.47 \$44,660
Legal Secretaries 43-6012 Perform secretarial duties using legal terminology, procedures, and documents. Prepare legal papers and correspondence, such as summonses, complaints, motions, and subpoenas. May also assist with legal research.	1,316 20 BA	HS None MOJT	\$15.92 \$33,120
Librarians 25-4021 Administer libraries and perform related library services. Work in a variety of settings, including public libraries, educational institutions, museums, corporations, government agencies, law firms, non-profit organizations, and healthcare providers.	1,463 42 BA	M None None	\$24.89 \$51,780
Library Assistants, Clerical 43-4121 Compile records, sort, shelve, issue, and receive library materials such as books, electronic media, pictures, cards, slides and microfilm. Locate library materials for loan and replace material in shelving area, stacks, or files according to identification number and title.	683 29 A	HS None SOJT	\$10.62 \$22,090
Licensed Practical and Licensed Vocational Nurses 29-2061 Care for ill, injured, or convalescing patients or persons with disabilities in hospitals, nursing homes, clinics, private homes, group homes, and similar institutions. May work under the supervision of a registered nurse. Licensing required.	12,057 480 A	PS None None	\$17.69 \$36,800
Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers 33-9092 Monitor recreational areas, such as pools, beaches, or ski slopes to provide assistance and protection to participants.	544 13 A	NFE None SOJT	\$9.26 \$19,260
Light Truck or Delivery Services Drivers 53-3033 Drive a light vehicle, such as a truck or van, with a capacity of less than 26,000 pounds Gross Vehicle Weight (GVW), primarily to deliver or pick up merchandise or to deliver packages. May load and unload vehicle.	6,496 236 A	HS None SOJT	\$14.62 \$30,400
Loan Interviewers and Clerks 43-4131 Interview loan applicants to elicit information; investigate applicants' backgrounds and verify references; prepare loan request papers; and forward findings, reports, and documents to appraisal department.	1,630 66 A	HS None SOJT	\$18.31 \$38,080
Locksmiths and Safe Repairers 49-9094 Repair and open locks; make keys; change locks and safe combinations; and install and repair safes.	116 5 D	HS None LOJT	\$17.77 \$36,970

Occupation	Job Outlook	Education	Earnings
Lodging Managers 11-9081 Plan, direct, or coordinate activities of an organization or department that provides lodging and other accommodations.	514 16 A	HS -5 None	\$24.44 \$50,830
Log Graders and Scalers 45-4023 Grade logs or estimate the marketable content or value of logs or pulpwood in sorting yards, millpond, log deck, or similar locations. Inspect logs for defects or measure logs to determine volume.	231 10 A	HS None MOJT	\$18.34 \$38,140
Logisticians 13-1081 Analyze and coordinate the logistical functions of a firm or organization. Responsible for the entire life cycle of a product, including acquisition, distribution, internal allocation, delivery, and final disposal of resources.	997 29 A	B None None	\$28.94 \$60,190
Machine Feeders and Offbearers 53-7063 Feed materials into or remove materials from machines or equipment that is automatic or tended by other workers.	1,711 63 A	NFE None SOJT	\$13.24 \$27,530
Machinists 51-4041 Set up and operate a variety of machine tools to produce precision parts and instruments. Includes precision instrument makers who fabricate, modify, or repair mechanical instruments.	2,834 93 BA	HS None LOJT	\$19.09 \$39,700
Magnetic Resonance Imaging Technologists 29-2035 Operate Magnetic Resonance Imaging (MRI) scanners. Monitor patient safety and comfort, and view images of area being scanned to ensure quality of pictures. May administer gadolinium contrast dosage intravenously.	297 8 A	A -5 None	\$25.77 \$53,610
Maids and Housekeeping Cleaners 37-2012 Perform any combination of light cleaning duties to maintain private households or commercial establishments, such as hotels and hospitals, in a clean and orderly manner.	9,828 306 BA	NFE None SOJT	\$9.30 \$19,350
Management Analysts 13-1111 Conduct organizational studies and evaluations, design systems and procedures, conduct work simplification and measurement studies, and prepare operations and procedures manuals to assist management in operating more efficiently and effectively.	4,928 149 A	B -5 None	\$29.18 \$60,690
Manicurists and Pedicurists 39-5092 Clean and shape customers' fingernails and toenails. May polish or decorate nails.	255 7 A	PS None None	\$10.91 \$22,700
Market Research Analysts and Marketing Specialists 13-1161 Research market conditions in local, regional, or national areas, or gather information to determine potential sales of a product or service, or create a marketing campaign.	2,933 113 AA	B None None	\$30.28 \$62,970
Marketing Managers 11-2021 Plan, direct, or coordinate marketing policies and programs, such as determining the demand for products and services offered by a firm and its competitors, and identify potential customers.	1,266 62 AA	B 5 None	\$64.70 \$134,570
Marriage and Family Therapists 21-1013 Diagnose and treat mental and emotional disorders, whether cognitive, affective, or behavioral, within the context of marriage and family systems.	77 4 A	M None I/R	\$24.88 \$51,760
Massage Therapists 31-9011 Perform therapeutic massages of soft tissues and joints. May assist in the assessment of range of motion and muscle strength, or propose client therapy plans.	504 17 AA	PS None None	\$20.57 \$42,780
Materials Engineers 17-2131 Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications.	57 2 BA	B None None	\$43.06 \$89,560
Meat, Poultry, and Fish Cutters and Trimmers 51-3022 Use hand or hand tools to perform routine cutting and trimming of meat, poultry, and seafood.	7,607 271 A	NFE None SOJT	\$11.40 \$23,720
Mechanical Drafters 17-3013 Prepare detailed working diagrams of machinery and mechanical devices, including dimensions, fastening methods, and other engineering information.	322 8 A	A None None	\$25.29 \$52,600
Mechanical Engineering Technicians 17-3027 Apply theory and principles of mechanical engineering to modify, develop, test, or calibrate machinery and equipment under direction of engineering staff or physical scientists.	217 7 BA	A None None	\$23.64 \$49,160
Mechanical Engineers 17-2141 Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment.	1,217 42 BA	B None None	\$35.76 \$74,380
Medical and Clinical Laboratory Technicians 29-2012 Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease. May work under the supervision of a medical technologist.	1,578 64 A	A None None	\$16.74 \$34,820
Medical and Clinical Laboratory Technologists 29-2011 Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease. May train or supervise staff.	1,100 43 A	B None None	\$24.23 \$50,400
Medical Assistants 31-9092 Perform administrative and certain clinical duties under the direction of a physician. Administrative duties may include scheduling appointments, maintaining medical records, billing, and coding information for insurance purposes.	3,008 144 AA	PS None None	\$14.50 \$30,160
Medical Equipment Repairers 49-9062 Test, adjust, or repair biomedical or electromedical equipment.	429 8 BA	A None MOJT	\$16.88 \$35,120

Occupation	Job Outlook	Education	Earnings
Medical Records and Health Information Technicians 29-2071 Compile, process, and maintain medical records of hospital and clinic patients in a manner consistent with medical, administrative, ethical, legal, and regulatory requirements of the health care system.	1,908 76 A	PS None None	\$16.06 \$33,410
Medical Scientists, Except Epidemiologists 19-1042 Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical investigation, research and development, or other related activities.	231 9 BA	D None None	\$55.35 \$115,120
Medical Transcriptionists 31-9094 Transcribe medical reports recorded by physicians and other healthcare practitioners using various electronic devices, covering office visits, emergency room visits, diagnostic imaging studies, operations, chart reviews, and final summaries.	750 14 D	PS None None	\$14.92 \$31,040
Meeting, Convention, and Event Planners 13-1121 Coordinate activities of staff, convention personnel, or clients to make arrangements for group meetings, events, or conventions.	492 13 A	B None None	\$18.34 \$38,140
Mental Health and Substance Abuse Social Workers 21-1023 Assess and treat individuals with mental, emotional, or substance abuse problems, including abuse of alcohol, tobacco, and/or other drugs.	738 31 A	B None None	\$19.46 \$40,480
Mental Health Counselors 21-1014 Counsel with emphasis on prevention. Work with individuals and groups to promote optimum mental and emotional health.	697 27 A	M None I/R	\$24.98 \$51,960
Merchandise Displayers and Window Trimmers 27-1026 Plan and erect commercial displays, such as those in windows and interiors of retail stores and at trade exhibitions.	568 23 A	HS None MOJT	\$15.61 \$32,460
Microbiologists 19-1022 Investigate the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae, or fungi.	186 5 BA	B None None	\$36.99 \$76,950
Middle School Teachers, Except Special and Career/Technical Education 25-2022 Teach students in one or more subjects in public or private schools at the middle, intermediate, or junior high level, which falls between elementary and senior high school as defined by applicable laws and regulations.	6,228 243 A	B None I/R	NA \$48,580
Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic 51-4035 Set up, operate, or tend milling or planing machines to mill, plane, shape, groove, or profile metal or plastic work pieces.	169 4 BA	HS None MOJT	\$17.64 \$36,700
Mixing and Blending Machine Setters, Operators, and Tenders 51-9023 Set up, operate, or tend machines to mix or blend materials, such as chemicals, tobacco, liquids, color pigments, or explosive ingredients.	1,605 48 A	HS None MOJT	\$18.36 \$38,180
Molders, Shapers, and Casters, Except Metal and Plastic 51-9195 Mold, shape, form, cast, or carve products such as food products, figurines, tile, pipes, and candles consisting of clay, glass, plaster, concrete, stone, or combinations of materials.	372 13 BA	HS None LOJT	\$14.52 \$30,200
Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic 51-4072 Set up, operate, or tend metal or plastic molding, casting, or coremaking machines to mold or cast metal or thermoplastic parts or products.	1,678 27 D	HS None MOJT	\$14.64 \$30,440
Morticians, Undertakers, and Funeral Directors 39-4031 Perform various tasks to arrange and direct funeral services, such as coordinating transportation of body to mortuary, interviewing family or other authorized person to arrange details, selecting pallbearers, aiding with the selection of officials for religious rites.	393 15 A	A None LOJT	\$20.08 \$41,760
Motorboat Mechanics and Service Technicians 49-3051 Repair and adjust electrical and mechanical equipment of inboard or inboard-outboard boat engines.	199 14 AA	HS None LOJT	\$16.50 \$34,310
Motorcycle Mechanics 49-3052 Diagnose, adjust, repair, or overhaul motorcycles, scooters, mopeds, dirt bikes, or similar motorized vehicles.	206 18 AA	PS None SOJT	\$13.59 \$28,270
Multimedia Artists and Animators 27-1014 Create special effects, animation, or other visual images using film, video, computers, or other electronic tools and media for use in products or creations, such as computer games, movies, music videos, and commercials.	151 5 BA	B None MOJT	\$21.48 \$44,680
Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic 51-4081 Set up, operate, or tend more than one type of cutting or forming machine tool or robot.	1,503 28 D	HS None MOJT	\$17.02 \$35,410
Museum Technicians and Conservators 25-4013 Restore, maintain, or prepare objects in museum collections for storage, research, or exhibit. May work with specimens such as fossils, skeletal parts, or botanicals; or artifacts, textiles, or art.	87 6 AA	B None None	\$13.50 \$28,080
Music Directors and Composers 27-2041 Conduct, direct, plan, and lead instrumental or vocal performances by musical groups, such as orchestras, bands, choirs, and glee clubs.	1,823 96 AA	B -5 None	\$24.00 \$49,920
Natural Sciences Managers 11-9121 Plan, direct, or coordinate activities in such fields as life sciences, physical sciences, mathematics, statistics, and research and development in these fields.	326 10 A	B 5 None	\$44.78 \$93,130
Network and Computer Systems Administrators 15-1142 Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system.	3,331 105 A	B None None	\$33.33 \$69,320

Occupation	Job Outlook	Education	Earnings
New Accounts Clerks 43-4141 Interview persons desiring to open accounts in financial institutions. Explain account services available to prospective customers and assist them in preparing applications.	561 18 BA	HS None MOJT	\$14.97 \$31,140
Nonfarm Animal Caretakers 39-2021 Feed, water, groom, bathe, exercise, or otherwise care for pets and other nonfarm animals, such as dogs, cats, ornamental fish or birds, zoo animals, and mice. Work in settings such as kennels, animal shelters, zoos, circuses, and aquariums.	2,050 105 AA	HS None SOJT	\$10.31 \$21,440
Nuclear Medicine Technologists 29-2033 Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists.	131 2 BA	A None None	\$33.21 \$69,080
Nurse Anesthetists 29-1151 Administer anesthesia, monitor patient's vital signs, and oversee patient recovery from anesthesia. May assist anesthesiologists, surgeons, other physicians, or dentists. Must be registered nurses who have specialized graduate education.	538 26 AA	M None None	\$76.42 \$158,940
Nurse Practitioners 29-1171 Diagnose and treat acute, episodic, or chronic illness, independently or as part of a healthcare team. May focus on health promotion and disease prevention. Must be registered nurses who have specialized graduate education.	1,424 86 AA	M None None	\$43.00 \$89,440
Nursing Assistants 31-1014 Provide basic patient care under direction of nursing staff. Perform duties such as feed, bathe, dress, groom, or move patients, or change linens. May transfer or transport patients.	18,667 636 A	PS None None	\$10.94 \$22,760
Obstetricians and Gynecologists 29-1064 Physicians who provide medical care related to pregnancy or childbirth and those who diagnose, treat, and help prevent diseases of women, particularly those affecting the reproductive system. May also provide general medical care to women.	144 8 AA	D None I/R	\$117.45 \$244,290
Occupational Health and Safety Specialists 29-9011 Review, evaluate, and analyze work environments and design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents or ergonomic factors.	531 12 BA	B None None	\$29.29 \$60,920
Occupational Therapists 29-1122 Assess, plan, organize, and participate in rehabilitative programs that help build or restore vocational, homemaking, and daily living skills, as well as general independence, to persons with disabilities or developmental delays.	970 40 AA	M None None	\$38.87 \$80,850
Occupational Therapy Aides 31-2012 Under close supervision of an occupational therapist or occupational therapy assistant, perform only delegated, selected, or routine tasks in specific situations. These duties include preparing patient and treatment room.	51 4 AA	HS None SOJT	\$13.31 \$27,690
Occupational Therapy Assistants 31-2011 Assist occupational therapists in providing occupational therapy treatments and procedures. May, in accordance with State laws, assist in development of treatment plans, carry out routine functions, direct activity programs, and document the progress of treatments.	211 14 AA	A None None	\$32.35 \$67,290
Operating Engineers and Other Construction Equipment Operators 47-2073 Operate one or several types of power construction equipment, such as motor graders, bulldozers, scrapers, compressors, pumps, derricks, shovels, tractors, or front-end loaders to excavate, move, and grade earth, erect structures, or pour concrete or other hard surface pavement.	3,614 108 A	HS None MOJT	\$16.60 \$34,530
Operations Research Analysts 15-2031 Formulate and apply mathematical modeling and other optimizing methods to develop and interpret information that assists management with decision making, policy formulation, or other managerial functions.	286 10 A	B None None	\$29.50 \$61,360
Ophthalmic Laboratory Technicians 51-9083 Cut, grind, and polish eyeglasses, contact lenses, or other precision optical elements. Assemble and mount lenses into frames or process other optical elements.	406 20 A	HS None MOJT	\$15.19 \$31,600
Ophthalmic Medical Technicians 29-2057 Assist ophthalmologists by performing ophthalmic clinical functions. May administer eye exams, administer eye medications, and instruct the patient in care and use of corrective lenses.	385 13 A	PS None None	\$13.40 \$27,880
Opticians, Dispensing 29-2081 Design, measure, fit, and adapt lenses and frames for client according to written optical prescription or specification. Assist client with inserting, removing, and caring for contact lenses. Assist client with selecting frames.	487 23 A	HS None LOJT	\$17.65 \$36,710
Optometrists 29-1041 Diagnose, manage, and treat conditions and diseases of the human eye and visual system. Examine eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment.	451 27 AA	D None None	\$51.35 \$106,800
Order Clerks 43-4151 Receive and process incoming orders for materials, merchandise, classified ads, or services such as repairs, installations, or rental of facilities. Generally receives orders via mail, phone, fax, or other electronic means.	1,055 40 A	HS None SOJT	\$14.46 \$30,080
Outdoor Power Equipment and Other Small Engine Mechanics 49-3053 Diagnose, adjust, repair, or overhaul small engines used to power lawn mowers, chain saws, recreational sporting equipment and related equipment.	406 18 A	HS None MOJT	\$15.47 \$32,180
Packaging and Filling Machine Operators and Tenders 51-9111 Operate or tend machines to prepare industrial or consumer products for storage or shipment. Includes cannery workers who pack food products.	3,926 184 A	HS None MOJT	\$13.73 \$28,550
Painters, Construction and Maintenance 47-2141 Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers, and spray guns. May remove old paint to prepare surface prior to painting.	2,082 122 AA	NFE None MOJT	\$16.48 \$34,280
Paperhangers 47-2142 Cover interior walls or ceilings of rooms with decorative wallpaper or fabric, or attach advertising posters on surfaces such as walls and billboards. May remove old materials or prepare surfaces to be papered.	68 3 AA	NFE None LOJT	\$13.47 \$28,010

Occupation	Job Outlook	Education	Earnings
Paralegals and Legal Assistants 23-2011 Assist lawyers by investigating facts, preparing legal documents, or researching legal precedent. Conduct research to support a legal proceeding, to formulate a defense, or to initiate legal action.	1,562 59 A	A None None	\$19.09 \$39,700
Payroll and Timekeeping Clerks 43-3051 Compile and record employee time and payroll data. May compute employees' time worked, production, and commission.	1,509 46 BA	HS None MOJT	\$17.31 \$36,010
Pediatricians, General 29-1065 Physicians who diagnose, treat, and help prevent children's diseases and injuries.	184 8 A	D None I/R	\$90.45 \$188,140
Personal Care Aides 39-9021 Assist the elderly, convalescents, or persons with disabilities with daily living activities at the person's home or in a care facility.	17,186 542 AA	NFE None SOJT	\$9.48 \$19,720
Personal Financial Advisors 13-2052 Advise clients on financial plans using knowledge of tax and investment strategies, securities, insurance, pension plans, and real estate.	1,085 48 A	B None LOJT	\$50.20 \$104,410
Pharmacists 29-1051 Dispense drugs prescribed by physicians and other health practitioners and provide information to patients about medications and their use. May advise physicians and other health practitioners on the selection, dosage, interactions, and side effects of medications.	3,353 125 A	D None None	\$56.23 \$116,960
Pharmacy Aides 31-9095 Record drugs delivered to the pharmacy, store incoming merchandise, and inform the supervisor of stock needs. May operate cash register and accept prescriptions for filling.	550 19 A	HS None SOJT	\$10.31 \$21,440
Pharmacy Technicians 29-2052 Prepare medications under the direction of a pharmacist. May measure, mix, count out, label, and record amounts and dosages of medications according to prescription orders.	3,649 120 A	HS None MOJT	\$14.10 \$29,340
Phlebotomists 31-9097 Draw blood for tests, transfusions, donations, or research. May explain the procedure to patients and assist in the recovery of patients with adverse reactions.	909 46 AA	PS None None	\$13.42 \$27,910
Photographers 27-4021 Photograph people, landscapes, merchandise, or other subjects, using digital or film cameras and equipment. May develop negatives or use computer software to produce finished images and prints.	956 34 A	HS None LOJT	\$14.97 \$31,140
Physical Therapist Aides 31-2022 Under close supervision of a physical therapist or physical therapy assistant, perform only delegated, selected, or routine tasks in specific situations.	346 22 AA	HS None SOJT	\$12.44 \$25,870
Physical Therapist Assistants 31-2021 Assist physical therapists in providing physical therapy treatments and procedures. May, in accordance with State laws, assist in the development of treatment plans, carry out routine functions, or document the progress of treatment. Generally requires formal training.	1,039 59 AA	A None None	\$27.60 \$57,410
Physical Therapists 29-1123 Assess, plan, organize, and participate in rehabilitative programs that improve mobility, relieve pain, increase strength, and improve or correct disabling conditions resulting from disease or injury.	2,069 112 AA	D None None	\$37.04 \$77,040
Physician Assistants 29-1071 Provide healthcare services typically performed by a physician, under the supervision of a physician. Conduct complete physicals, provide treatment, and counsel patients. Must graduate from an accredited educational program for physician assistants.	417 24 AA	M None None	\$35.15 \$73,110
Plasterers and Stucco Masons 47-2161 Apply interior or exterior plaster, cement, stucco, or similar materials. May also set ornamental plaster.	78 3 AA	NFE None LOJT	\$15.37 \$31,960
Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic 51-4193 Set up, operate, or tend plating or coating machines to coat metal or plastic products with chromium, zinc, copper, cadmium, nickel, or other metal to protect or decorate surfaces.	361 9 D	HS None MOJT	\$15.07 \$31,340
Plumbers, Pipefitters, and Steamfitters 47-2152 Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems.	3,511 147 AA	HS None App	\$18.54 \$38,570
Podiatrists 29-1081 Diagnose and treat diseases and deformities of the human foot.	69 1 BA	D None I/R	\$91.69 \$190,710
Police and Sheriff's Patrol Officers 33-3051 Maintain order and protect life and property by enforcing local, tribal, State, or Federal laws and ordinances. Perform a combination of the following duties: patrol a specific area; direct traffic; issue traffic summonses; investigate accidents; apprehend and arrest suspects.	5,900 247 BA	HS None MOJT	\$18.28 \$38,020
Police, Fire, and Ambulance Dispatchers 43-5031 Operate radio, telephone, or computer equipment at emergency response centers. Receive reports from the public of crimes, disturbances, fires, and medical or police emergencies. Relay information to law enforcement and emergency response personnel.	1,133 30 BA	HS None MOJT	\$13.30 \$27,670
Postal Service Clerks 43-5051 Perform any combination of tasks in a post office, such as receive letters and parcels; sell postage and revenue stamps, postal cards, and stamped envelopes; fill out and sell money orders; place mail in pigeon holes of mail rack or in bags; and examine mail for correct postage.	1,116 26 A	HS None SOJT	\$21.18 \$44,040
Postal Service Mail Carriers 43-5052 Sort mail for delivery. Deliver mail on established route by vehicle or on foot.	3,012 91 A	HS None SOJT	\$24.06 \$50,040

Occupation	Job Outlook	Education	Earnings
Postal Service Mail Sorters, Processors, and Processing Machine Operators 43-5053 Prepare incoming and outgoing mail for distribution. Examine, sort, and route mail. Load, operate, and occasionally adjust and repair mail processing, sorting, and canceling machinery.	585 8 BA	HS None SOJT	\$23.42 \$48,710
Pourers and Casters, Metal 51-4052 Operate hand-controlled mechanisms to pour and regulate the flow of molten metal into molds to produce castings or ingots.	123 14 AA	HS None MOJT	\$18.03 \$37,500
Power Plant Operators 51-8013 Control, operate, or maintain machinery to generate electric power.	429 16 D	HS None LOJT	\$36.55 \$76,030
Preschool Teachers, Except Special Education 25-2011 Instruct preschool-aged children in activities designed to promote social, physical, and intellectual growth needed for primary school in preschool, day care center, or other child development facility.	2,514 111 A	A None None	\$15.24 \$31,700
Pressers, Textile, Garment, and Related Materials 51-6021 Press or shape articles by hand or machine.	398 10 D	NFE None SOJT	\$9.40 \$19,550
Private Detectives and Investigators 33-9021 Gather, analyze, compile and report information regarding individuals or organizations to clients, or detect occurrences of unlawful acts or infractions of rules in private establishment.	174 6 BA	HS -5 MOJT	\$16.78 \$34,900
Producers and Directors 27-2012 Produce or direct stage, television, radio, video, or motion picture productions for entertainment, information, or instruction. Responsible for creative decisions, such as interpretation of script, choice of actors or guests, set design, sound, special effects, and choreography.	359 15 BA	B -5 None	\$21.92 \$45,590
Production, Planning, and Expediting Clerks 43-5061 Coordinate and expedite the flow of work and materials within or between departments of an establishment according to production schedule.	2,926 124 A	HS None MOJT	\$20.07 \$41,740
Psychiatric Technicians 29-2053 Care for individuals with mental or emotional conditions or disabilities, following the instructions of physicians or other health practitioners. Monitor patients' physical and emotional well-being and report to medical staff.	723 6 D	PS -5 SOJT	\$12.44 \$25,870
Psychiatrists 29-1066 Physicians who diagnose, treat, and help prevent disorders of the mind.	360 18 A	D None I/R	\$53.31 \$110,880
Public Relations and Fundraising Managers 11-2031 Plan, direct, or coordinate activities designed to create or maintain a favorable public image or raise issue awareness for their organization or client.	351 18 A	B 5 None	\$44.14 \$91,810
Public Relations Specialists 27-3031 Engage in promoting or creating an intended public image for individuals, groups, or organizations. May write or select material for release to various communications media.	1,818 43 A	B None None	\$24.28 \$50,510
Purchasing Managers 11-3061 Plan, direct, or coordinate the activities of buyers, purchasing officers, and related workers involved in purchasing materials, products, and services. Includes wholesale or retail trade merchandising managers and procurement managers.	513 17 A	B 5 None	\$56.39 \$117,280
Radiation Therapists 29-1124 Provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards.	230 11 AA	A None None	\$34.33 \$71,400
Radiologic Technologists 29-2034 Take x rays and CAT scans or administer nonradioactive materials into patient's blood stream for diagnostic purposes. Includes technologists who specialize in other scanning modalities.	1,906 52 A	A None None	\$22.96 \$47,750
Real Estate Sales Agents 41-9022 Rent, buy, or sell property for clients. Perform duties, such as study property listings, interview prospective clients, accompany clients to property site, discuss conditions of sale, and draw up real estate contracts. Includes agents who represent buyer.	2,521 73 A	HS None MOJT	\$16.44 \$34,190
Receptionists and Information Clerks 43-4171 Answer inquiries and provide information to the general public, customers, visitors, and other interested parties regarding activities conducted at establishment and location of departments, offices, and employees within the organization.	6,863 310 A	HS None SOJT	\$11.82 \$24,580
Recreation Workers 39-9032 Conduct recreation activities with groups in public, private, or volunteer agencies or recreation facilities. Organize and promote activities, taking into account the needs and interests of individual members.	1,916 59 A	HS None SOJT	\$10.51 \$21,870
Recreational Therapists 29-1125 Plan, direct, or coordinate medically-approved recreation programs for patients in hospitals, nursing homes, or other institutions. Activities include sports, trips, dramatics, social activities, and arts and crafts.	109 3 BA	B None None	\$21.98 \$45,720
Refuse and Recyclable Material Collectors 53-7081 Collect and dump refuse or recyclable materials from containers into truck. May drive truck.	1,883 71 A	NFE None SOJT	\$13.10 \$27,240
Registered Nurses 29-1141 Assess patient health problems and needs, develop and implement nursing care plans, and maintain medical records. Administer nursing care to ill, injured, convalescent, or disabled patients.	23,040 876 A	B None None	\$27.71 \$57,630
Rehabilitation Counselors 21-1015 Counsel individuals to maximize the independence and employability of persons coping with personal, social, and vocational difficulties that result from birth defects, illness, disease, accidents, or the stress of daily life.	278 10 A	M None None	\$17.77 \$36,960

Occupation	Job Outlook	Education	Earnings
Reinforcing Iron and Rebar Workers 47-2171 Position and secure steel bars or mesh in concrete forms in order to reinforce concrete. Use a variety of fasteners, rod-bending machines, blowtorches, and hand tools.	23 0 A	HS None App	\$18.86 \$39,220
Reporters and Correspondents 27-3022 Collect and analyze facts about newsworthy events by interview, investigation, or observation. Report and write stories for newspaper, news magazine, radio, or television.	472 16 D	B None None	\$15.10 \$31,410
Reservation and Transportation Ticket Agents and Travel Clerks 43-4181 Make and confirm reservations for transportation or lodging, or sell transportation tickets. May check baggage and direct passengers to designated concourse, pier, or track; deliver tickets, contact individuals and groups to inform them of package tours.	475 8 BA	HS None SOJT	\$16.45 \$34,220
Respiratory Therapists 29-1126 Assess, treat, and care for patients with breathing disorders. Assume primary responsibility for all respiratory care modalities, including the supervision of respiratory therapy technicians.	1,094 37 A	A None None	\$23.69 \$49,280
Respiratory Therapy Technicians 29-2054 Provide respiratory care under the direction of respiratory therapists and physicians.	274 2 D	A None None	\$21.19 \$44,080
Retail Salespersons 41-2031 Sell merchandise, such as furniture, motor vehicles, appliances, or apparel to consumers.	39,797 2,256 A	NFE None SOJT	\$11.85 \$24,640
Rolling Machine Setters, Operators, and Tenders, Metal and Plastic 51-4023 Set up, operate, or tend machines to roll steel or plastic forming bends, beads, knurls, rolls, or plate or to flatten, temper, or reduce gauge of material.	162 6 A	HS None MOJT	\$18.68 \$38,860
Roofers 47-2181 Cover roofs of structures with shingles, slate, asphalt, aluminum, wood, or related materials. May spray roofs, sidings, and walls with material to bind, seal, insulate, or soundproof sections of structures.	855 33 A	NFE None MOJT	\$15.84 \$32,940
Sales Engineers 41-9031 Sell business goods or services, the selling of which requires a technical background equivalent to a baccalaureate degree in engineering.	137 4 BA	B None MOJT	\$45.18 \$93,980
Sales Managers 11-2022 Plan, direct, or coordinate the actual distribution or movement of a product or service to the customer. Coordinate sales distribution by establishing sales territories, quotas, and goals and establish training programs for sales representatives.	3,468 134 A	B -5 None	\$57.81 \$120,240
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products 41-4012 Sell goods for wholesalers or manufacturers to businesses or groups of individuals. Work requires substantial knowledge of items sold.	13,942 448 A	HS None MOJT	\$28.51 \$59,290
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products 41-4011 Sell goods for wholesalers or manufacturers where technical or scientific knowledge is required in such areas as biology, engineering, chemistry, and electronics, normally obtained from at least 2 years of post-secondary education.	2,310 46 D	B None MOJT	\$32.55 \$67,710
Secondary School Teachers, Except Special and Career/Technical Education 25-2031 Teach students in one or more subjects, such as English, mathematics, or social studies at the secondary level in public or private schools. May be designated according to subject matter specialty.	10,233 425 A	B None I/R	NA \$49,780
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive 43-6014 Perform routine clerical and administrative functions such as drafting correspondence, scheduling appointments, organizing and maintaining paper and electronic files, or providing information to callers.	24,193 593 A	HS None SOJT	\$14.25 \$29,650
Securities, Commodities, and Financial Services Sales Agents 41-3031 Buy and sell securities or commodities in investment and trading firms, or provide financial services to businesses and individuals. May advise customers about stocks, bonds, mutual funds, commodities, and market conditions.	1,295 28 BA	B None MOJT	\$39.12 \$81,370
Security Guards 33-9032 Guard, patrol, or monitor premises to prevent theft, violence, or infractions of rules. May operate x-ray and metal detector equipment.	6,399 160 A	HS None SOJT	\$12.22 \$25,420
Self-Enrichment Education Teachers 25-3021 Teach or instruct courses other than those that normally lead to an occupational objective or degree. Courses may include self-improvement, nonvocational, and nonacademic subjects.	884 40 AA	HS -5 None	\$17.40 \$36,190
Service Unit Operators, Oil, Gas, and Mining 47-5013 Operate equipment to increase oil flow from producing wells or to remove stuck pipe, casing, tools, or other obstructions from drilling wells. May also perform similar services in mining exploration operations.	450 15 D	NFE None MOJT	\$24.69 \$51,350
Sewing Machine Operators 51-6031 Operate or tend sewing machines to join, reinforce, decorate, or perform related sewing operations in the manufacture of garment or nongarment products.	959 6 D	NFE None SOJT	\$11.44 \$23,800
Sheet Metal Workers 47-2211 Fabricate, assemble, install, and repair sheet metal products and equipment, such as ducts, control boxes, drainpipes, and furnace casings.	1,456 67 AA	HS None App	\$17.96 \$37,360
Shipping, Receiving, and Traffic Clerks 43-5071 Verify and maintain records on incoming and outgoing shipments. Prepare items for shipment.	4,546 120 BA	HS None SOJT	\$14.85 \$30,890
Shoe and Leather Workers and Repairers 51-6041 Construct, decorate, or repair leather and leather-like products, such as luggage, shoes, and saddles.	32 0 D	HS None MOJT	\$13.21 \$27,470

Occupation	Job Outlook	Education	Earnings
Shoe Machine Operators and Tenders 51-6042 Operate or tend a variety of machines to join, decorate, reinforce, or finish shoes and shoe parts.	541 6 D	HS None SOJT	\$11.87 \$24,690
Skincare Specialists 39-5094 Provide skincare treatments to face and body to enhance an individual's appearance. Includes electrologists and laser hair removal specialists.	105 2 A	PS None None	\$19.48 \$40,510
Social and Community Service Managers 11-9151 Plan, direct, or coordinate the activities of a social service program or community outreach organization. Oversee the program or organization's budget and policies regarding participant involvement, program requirements, and benefits.	1,472 61 A	B 5 None	\$26.11 \$54,300
Social and Human Service Assistants 21-1093 Assist in providing client services in a wide variety of fields, such as psychology, rehabilitation, or social work, including support for families. May assist clients in identifying and obtaining available benefits and social and community services.	3,880 142 A	HS None SOJT	\$13.67 \$28,440
Software Developers, Systems Software 15-1133 Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications.	1,051 19 BA	B None None	\$34.56 \$71,890
Special Education Teachers, Kindergarten and Elementary School 25-2052 Teach elementary school subjects to educationally and physically handicapped students. Includes teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.	1,053 37 A	B None I/R	NA \$48,210
Special Education Teachers, Middle School 25-2053 Teach middle school subjects to educationally and physically handicapped students. Includes teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.	633 22 A	B None I/R	NA \$50,630
Special Education Teachers, Preschool 25-2051 Teach preschool school subjects to educationally and physically handicapped students. Includes teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.	464 18 A	B None I/R	NA \$36,760
Special Education Teachers, Secondary School 25-2054 Teach secondary school subjects to educationally and physically handicapped students. Includes teachers who specialize and work with audibly and visually handicapped students and those who teach basic academic and life processes skills to the mentally impaired.	1,263 44 A	B None I/R	NA \$51,630
Speech-Language Pathologists 29-1127 Assess and treat persons with speech, language, voice, and fluency disorders. May select alternative communication systems and teach their use. May perform research related to speech and language problems.	1,892 96 AA	M None None	\$34.83 \$72,440
Stock Clerks and Order Fillers 43-5081 Receive, store, and issue sales floor merchandise, materials, equipment, and other items from stockroom, warehouse, or storage yard to fill shelves, racks, tables, or customers' orders. May mark prices on merchandise and set up sales displays.	16,053 784 A	NFE None SOJT	\$11.54 \$23,990
Substance Abuse and Behavioral Disorder Counselors 21-1011 Counsel and advise individuals with alcohol, tobacco, drug, or other problems, such as gambling and eating disorders. May counsel individuals, families, or groups or engage in prevention programs.	735 34 AA	B None None	\$17.51 \$36,430
Surgeons 29-1067 Physicians who treat diseases, injuries, and deformities by invasive, minimally-invasive, or non-invasive surgical methods, such as using instruments, appliances, or by manual manipulation.	639 34 AA	D None I/R	\$125.45 \$260,950
Surgical Technologists 29-2055 Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons.	920 22 A	PS None None	\$19.52 \$40,600
Tailors, Dressmakers, and Custom Sewers 51-6052 Design, make, alter, repair, or fit garments.	286 11 BA	NFE None MOJT	\$10.62 \$22,080
Tank Car, Truck, and Ship Loaders 53-7121 Load and unload chemicals and bulk solids, such as coal, sand, and grain into or from tank cars, trucks, or ships using material moving equipment. May perform a variety of other tasks relating to shipment of products.	81 3 A	NFE None SOJT	\$19.70 \$40,970
Tax Preparers 13-2082 Prepare tax returns for individuals or small businesses.	1,345 58 A	HS None MOJT	\$14.10 \$29,330
Taxi Drivers and Chauffeurs 53-3041 Drive automobiles, vans, or limousines to transport passengers. May occasionally carry cargo. Includes hearse drivers.	2,064 96 AA	NFE None SOJT	\$10.39 \$21,610
Teacher Assistants 25-9041 Perform duties that are instructional in nature or deliver direct services to students or parents. Serve in a position for which a teacher has ultimate responsibility for the design and implementation of educational programs and services.	9,343 373 A	SC None None	NA \$20,310
Team Assemblers 51-2092 Work as part of a team having responsibility for assembling an entire product or component of a product.	13,189 346 BA	HS None MOJT	\$14.21 \$29,550
Technical Writers 27-3042 Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.	196 6 A	B -5 SOJT	\$23.35 \$48,560
Tellers 43-3071 Receive and pay out money. Keep records of money and negotiable instruments involved in a financial institution's various transactions.	6,496 327 BA	HS None SOJT	\$11.77 \$24,480

Occupation	Job Outlook	Education	Earnings
Textile Cutting Machine Setters, Operators, and Tenders 51-6062 Set up, operate, or tend machines that cut textiles.	91 2 D	HS None MOJT	\$11.64 \$24,220
Textile Knitting and Weaving Machine Setters, Operators, and Tenders 51-6063 Set up, operate, or tend machines that knit, loop, weave, or draw in textiles.	194 3 BA	HS None SOJT	\$13.41 \$27,890
Tile and Marble Setters 47-2044 Apply hard tile, marble, and wood tile to walls, floors, ceilings, and roof decks.	143 8 AA	NFE None LOJT	\$15.50 \$32,240
Tool and Die Makers 51-4111 Analyze specifications, lay out metal stock, set up and operate machine tools, and fit and assemble parts to make and repair dies, cutting tools, jigs, fixtures, gauges, and machinists' hand tools.	535 2 D	HS None LOJT	\$21.56 \$44,840
Tool Grinders, Filers, and Sharpeners 51-4194 Perform precision smoothing, sharpening, polishing, or grinding of metal objects.	153 4 BA	HS None MOJT	\$18.18 \$37,800
Traffic Technicians 53-6041 Conduct field studies to determine traffic volume, speed, effectiveness of signals, adequacy of lighting, and other factors influencing traffic conditions, under direction of traffic engineer.	35 2 A	HS None MOJT	\$18.77 \$39,040
Training and Development Managers 11-3131 Plan, direct, or coordinate the training and development activities and staff of an organization.	379 16 A	B 5 None	\$37.64 \$78,280
Training and Development Specialists 13-1151 Design and conduct training and development programs to improve individual and organizational performance. May analyze training needs.	2,850 102 A	B -5 None	\$24.98 \$51,960
Transportation Attendants, Except Flight Attendants 53-6061 Provide services to ensure the safety and comfort of passengers aboard ships, buses, trains, or within the station or terminal. Perform duties such as greeting passengers, explaining the use of safety equipment.	127 2 D	HS None SOJT	\$9.90 \$20,590
Transportation, Storage, and Distribution Managers 11-3071 Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations. Includes logistics managers.	1,474 49 A	HS 5 None	\$50.56 \$105,160
Travel Agents 41-3041 Plan and sell transportation and accommodations for travel agency customers. Determine destination, modes of transportation, travel dates, costs, and accommodations required. May also describe, plan, and arrange itineraries and sell tour packages.	218 5 BA	HS None MOJT	\$15.77 \$32,790
Tree Trimmers and Pruners 37-3013 Using sophisticated climbing and rigging techniques, cut away dead or excess branches from trees or shrubs to maintain right-of-way for roads, sidewalks, or utilities, or to improve appearance, health, and value of tree.	820 24 A	HS None SOJT	\$13.33 \$27,730
Upholsterers 51-6093 Make, repair, or replace upholstery for household furniture or transportation vehicles.	574 14 D	HS None MOJT	\$15.20 \$31,610
Ushers, Lobby Attendants, and Ticket Takers 39-3031 Assist patrons at entertainment events by performing duties, such as collecting admission tickets and passes from patrons, assisting in finding seats, searching for lost articles, and locating such facilities as rest rooms and telephones.	470 46 A	NFE None SOJT	\$10.16 \$21,130
Veterinarians 29-1131 Diagnose, treat, or research diseases and injuries of animals. Includes veterinarians who conduct research and development, inspect livestock, or care for pets and companion animals.	673 25 AA	D None None	\$33.48 \$69,640
Veterinary Assistants and Laboratory Animal Caretakers 31-9096 Feed, water, and examine pets and other nonfarm animals for signs of illness, disease, or injury in laboratories and animal hospitals and clinics. Clean and disinfect cages and work areas, and sterilize laboratory and surgical equipment.	795 37 AA	HS None SOJT	\$10.54 \$21,920
Veterinary Technologists and Technicians 29-2056 Perform medical tests in a laboratory environment for use in the treatment and diagnosis of diseases in animals. Prepare vaccines and serums for prevention of diseases.	307 12 AA	A None None	\$12.73 \$26,480
Waiters and Waitresses 35-3031 Take orders and serve food and beverages to patrons at tables in dining establishment.	19,107 1,414 A	NFE None SOJT	\$9.28 \$19,300
Web Developers 15-1134 Design, create, and modify Web sites. Analyze user needs to implement Web site content, graphics, performance, and capacity. May integrate Web sites with other computer applications.	673 33 AA	A None None	\$27.69 \$57,590
Welders, Cutters, Solderers, and Brazers 51-4121 Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.	5,058 142 D	HS None MOJT	\$18.03 \$37,510
Woodworking Machine Setters, Operators, and Tenders, Except Sawing 51-7042 Set up, operate, or tend woodworking machines, such as drill presses, lathes, shapers, routers, sanders, planers, and wood nailing machines. May operate CNC equipment.	1,006 18 D	HS None SOJT	\$12.72 \$26,460
Zoologists and Wildlife Biologists 19-1023 Study the origins, behavior, diseases, genetics, and life processes of animals and wildlife. May collect and analyze biological data to determine the environmental effects of present and potential use of land and water habitats.	202 6 BA	B None None	\$25.26 \$52,550



Your Path to College

Preparation for college begins in the 8th grade and continues throughout high school.

8th & 9th

Start thinking about career possibilities and exploring occupations that meet your interests and skills.

Study hard and earn good grades to prepare academically for college.

Become involved in extra curricular activities that interest you.

Look for summer jobs or volunteer work that will expand your experience and skills.

10th

Research possible colleges and universities that match your career goals.

Prepare for standardized testing by taking the PSAT.

Visit with your school guidance counselor to discuss your course selection to make sure it meets college entrance requirements.

11th

Request information from colleges you are interested in attending. Find out admission requirements, degrees and majors offered, financial aid, scholarships, and student housing information.

Plan a campus visit and attend local college fairs.

Take the SAT or ACT.

12th

Apply to your top college choices; keep track of the admissions deadlines.

Complete the Free Application for Federal Student Aid to see if you qualify for financial aid, scholarships, and grants after October 1 of your senior year.

Complete Arkansas' online YOUiversal application between January 1 and June 1 to apply for state scholarships and grants.

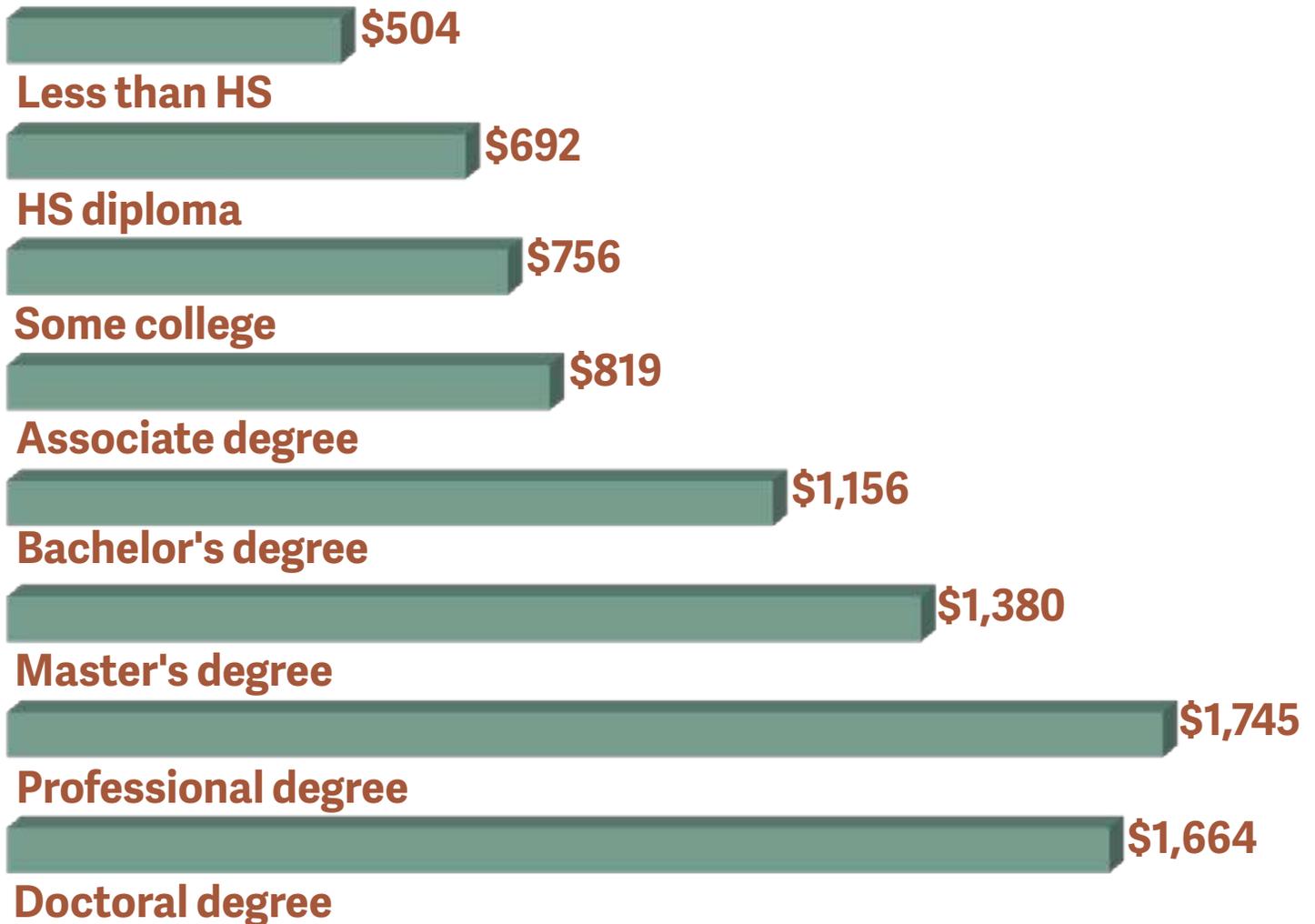
Attend spring or summer orientation programs for incoming college freshmen.



Continuing your education after high school pays off.

College graduates with a Bachelor's degree earn \$464 more a week than a high school graduate.

*Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers.
Source: Current Population Survey, U.S. Department of Labor, U.S. Bureau of Labor Statistics, April 2017*



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Pick your city, then decide what you want to spend on housing, transportation, food, entertainment, and everything in between. We'll tell you what jobs will feed your appetite and how to get them.

Option #2: Show me the money

Tell us what you want your yearly salary to be and we'll tell you which jobs will pay that much. We'll even tell you what sort of education and training you need to get there and how the job market is.

Option #3: The bizarro budget

If you're lucky enough to already know what you want to do with your life, we'll tell you how much it will pay so you can work backward to create a budget using those numbers.

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READING FOR INFORMATION
APPLIED MATHEMATICS
LOCATING INFORMATION

Students, for more information see your teacher/counselor. Adults, contact ADWS at 1-855-225-4440 or your local Workforce Center. Or go to: dws.arkansas.gov/jobseekers/career-readiness-certification/ to learn more about the CRC.



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- Assess training needs.
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For Career Information or Job Search Help, Visit an Arkansas Comprehensive Workforce Center

Central Arkansas

1500 N. Museum Rd.
Suite 111
Conway, AR 72032
501.730.9865

City of Little Rock

5401 S. University Ave.
Little Rock, AR 72209
501.682.7719

Eastern Arkansas

300 Eldridge Rd.
Suite #2
Forrest City, AR 72335
870.633.2900

ASU Mid-South
2000 W. Broadway
West Memphis, AR 72301
870.400.2269

North Central Arkansas

396 Barnett Drive
Batesville, AR 72501
870.793.4156

501 W. Arch Ave.
Searcy, AR 72143
501.268.8601

Northeast Arkansas

2311 E. Nettleton Ave.
Jonesboro, AR 72401
870.935.5594

Northwest Arkansas

2143 W. Martin
Luther King Blvd.
Fayetteville, AR 72701
479.521.5730

818 Hwy 62-65 North
Harrison, AR 72601
870.741.8236

1058 Highland Circle #20
Mountain Home, AR 72653
870.425.2386

North Dixieland Road
Suite B1-5
Rogers, AR 72757
479.636.4755

809 South Mount Olive
Siloam Springs, AR 72761
479.524.5181

Southeast Arkansas

130 West Waterman
Dumas, AR 71639
870.382.1017

1001 S. Tennessee
Pine Bluff, AR 71601
870.534.1920

Southwest Arkansas

237 Jackson St.
Camden, AR 71701
870.836.5024

523 E. Sixth Street
El Dorado, AR 71730
870.863.6465

205 Smith Road
Suite A
Hope, AR 71801
870.777.3421

West Central Arkansas

2254 Albert Pike
Suite A
Hot Springs, AR 71913
501.525.3450

1735 E. Sullenberger
Malvern, AR 72104
501.332.5461

104 South Rochester
Russellville, AR 72801
479.968.2784

Western Arkansas

616 Garrison Ave.
Room 101
Fort Smith, AR 72901
479.783.0231



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SO, YOU WANT TO GO PRO?

More than 2.5 million students play sports in high school, so let's be realistic. Someone may be better or faster than you, and what if you have a career-ending injury?

Women's Basketball

High School Players - 429,380
Will Play in College - 3.9%
Will be Drafted by WNBA out of college - 0.9%

Football

High School Players - 1,803,308
Will Play in College - 6.8%
Will be Drafted by NFL out of college - 1.5%

Baseball

High School Players - 488,815
Will Play in College - 7.1%
Will be Drafted by MLB out of college - 9.1%

Men's Basketball

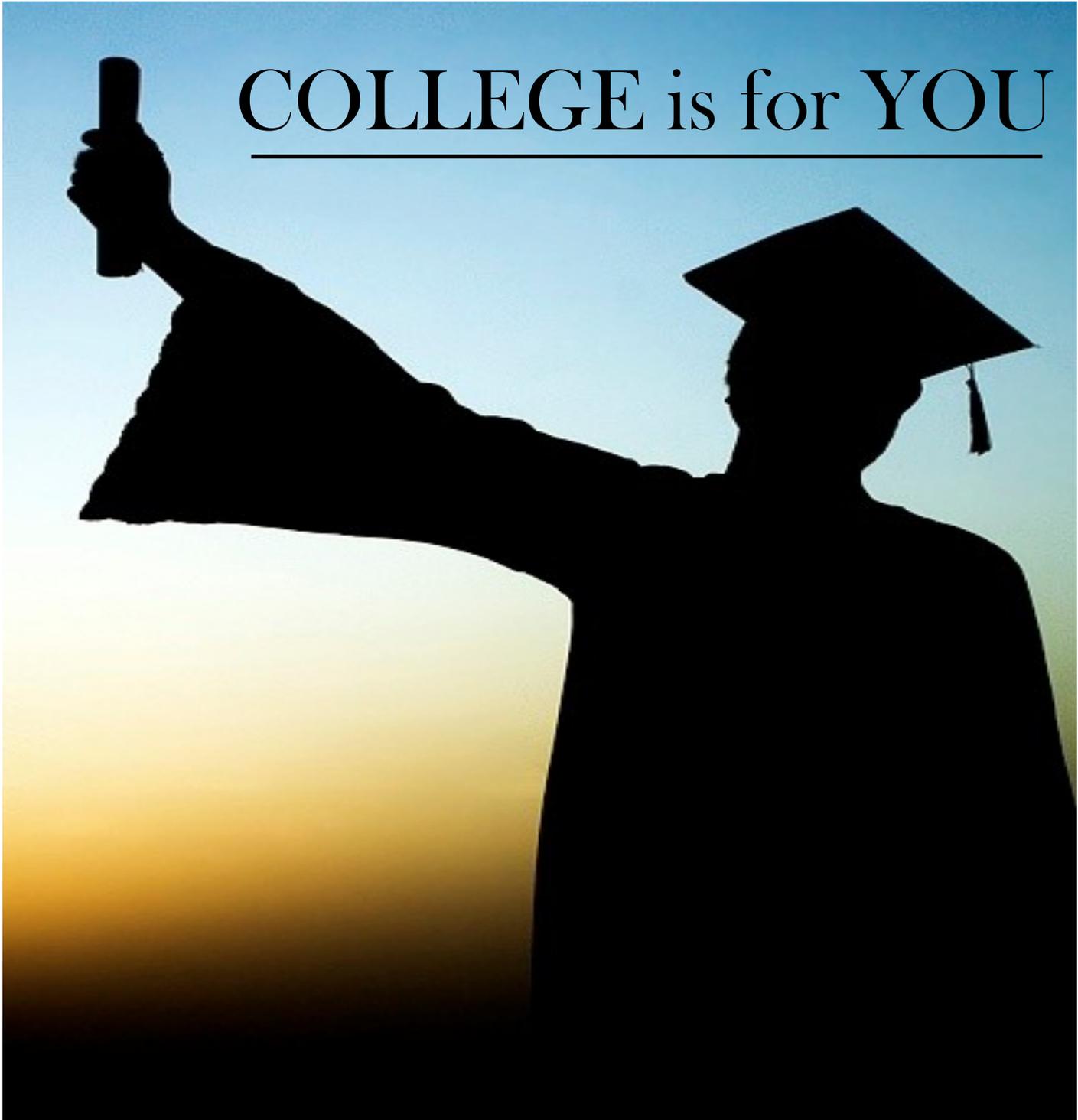
High School Players - 546,428
Will Play in College - 3.4%
Will be Drafted by NBA out of college - 1.1%

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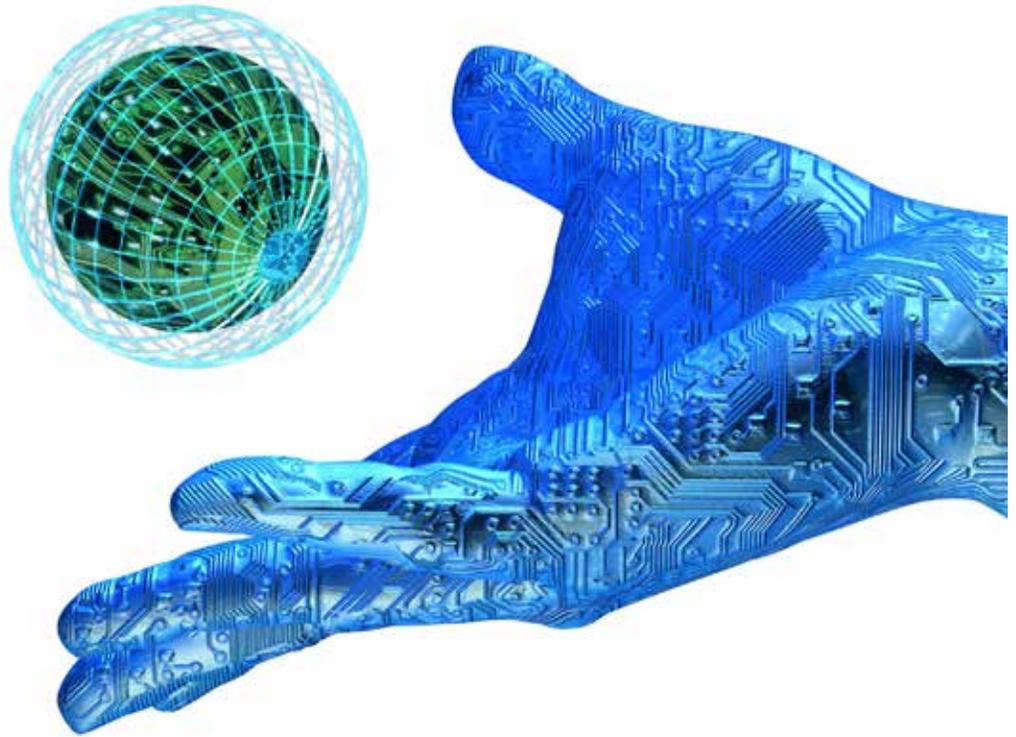
Arkansas Department of Higher Education will award over \$120 million in grants and scholarships to students at Arkansas colleges and universities enrolled in programs for future welders, accountants, nurses, computer programmers, teachers, and hundreds of other fields.

There may be financial aid available to you but you have to apply!



Any formal education you get after high school is college. Take the first step and visit scholarships.adhe.edu for more information about financial aid programs and the YOUiversal application system. You can even download the YOUiversal app for your smartphone. Deadlines vary; check the website for details.

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Wearable technology, GPS and 3-D printing were all just ideas not long ago. Where will the future take us?

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- Spanish
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