

INSPIRING OUR FUTURE WORKFORCE - ONE STUDENT AT A TIME

EAST ALABAMA WORKS



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2024 CAREER EXPO

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Dear Parents and Guardians,

Welcome to the Worlds of Work Career Expo! For Spring 2024, we anticipate nearly 8,000 students from counties and cities across East Alabama will participate in this inspiring event. This is a great opportunity for your student to take the first steps in planning for their future.

There are many companies who offer very competitive wages, however, to be considered for the positions, the workforce must be educated and have the necessary skills to qualify. In today's market, fifty-seven percent of the jobs require an associate degree or advanced training. Through Worlds of Work, we want students to be prepared to select the best education options for them.

Whether your student plans on attending a two-year college, four-year college, technical training, enter the military or go straight to work, they will get valuable information by attending WOW. Please take the time to explore the 11 pathways included in this book with your student. Each section lists possible jobs and careers within each pathway with great information to help develop a plan for the future. We are confident that this will be a rewarding and motivating experience for all our students and educators, as well as you, the parents and guardians.

Also, please spend a few moments noting the many company participants, donors, school personnel and volunteers that help make WOW a reality for your student. Countless hours of planning and preparation have gone into this event, so be sure to thank any of them you may know or encounter. We really appreciate their involvement!

The upcoming years are critical for you and your student. We wish you all the best as you guide them to a productive and enjoyable future as employees.

Best Regards,

Carol Kirk, Eastman
2024 Worlds of Work Chair

Kelley Pearce, Jacksonville State University
2024 Worlds of Work Co-Chair



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2024 Worlds of Work World Leaders

Agriculture and Outdoor Resources

Jennifer Yates, Calhoun County Soil and Water District/
Choccolocco Creek Watershed Conservancy
Jody Burdette, USDA Natural Resources Conservation
Service

Automotive and Modern Manufacturing

Steve Hildebrandt, Dracyon Corporation

Business and Entrepreneurship

Laurel Harp, Calhoun County EDC
Linda Hearn, Calhoun County Chamber

Communications, Media, and Marketing

Jackie Edmondson, Gadsden State Community College
Christi Robinson, Gadsden/Etowah County Chamber
Heather Turk, Venture Marketing

Construction

Kanda Floyd, Hale Building Company

Education and Training

Lauren Findley, Jacksonville State University
Jessica Wiggins, Jacksonville State University

Energy and Utilities

Jacki Lowry, Alabama Power Company
Dana McFarland, Alabama Power Company
Butch Webb, Spire

Engineering and Technology

Kelly Mraz, Eastman
Andy Robertson, Gadsden State Community College
Keri Wood, Gadsden State Community College

Healthcare

Bridgette Magouirk, Regional Medical Center
Kristin Fillingim, Regional Medical Center

Public Safety

Myles Chamblee, Calhoun County EMA
David Randle, Calhoun County EMA
Brittney Reaves, Calhoun County EMA

Transportation, Distribution and Logistics

Krislyn Hanvey, Wellborn Cabinet
Bonnie Wellborn, Wellborn Cabinet

2024 Worlds of Work Committee

Event Chair

Carol Kirk, Eastman
Kelley Pearce, Jacksonville State University

Event Staff

Lisa Morales, East AlabamaWorks
Carl Brady, East AlabamaWorks
Kayla Bowman, East AlabamaWorks
Abby Minter Howle, East AlabamaWorks

Logistics

Andy Green, Gadsden State Community College
Gerry Lyons, Oxford Police Department
Daniel Spencer, Alabama Department of Rehabilitation Services
Eric Wright, East Alabama Regional Planning & Development Commission

School Coordinators

Leslie Alexander, Career Coach
Valerie Arnold, Career Coach
Haley Brown, Career Coach
Summer Collins, Etowah County CTE Center
Robin Cottle, Career Coach
Keena Cox, Career Coach
Katie Davenport, Career Coach
Gina Deupree, Career Coach
Vikki Sturkie, Career Coach
Jamie Harris, Career Coach
Jalen Johnson, Career Coach
Isabella Lett, Career Coach
April Livingston, Career Coach
Missy Middlebrooks, Career Coach
Heather Money, Career Coach
Whitney Murchison, Career Coach

Collyn Prince, Career Coach
Donna Pritchett, Calhoun County Career Academy
Jennifer Robertson, Career Coach
Whitney Robinson, Career Coach
Ashton Ross, Career Coach
Kelli Sanford, Career Coach
Tamar Towns, Career Coach
Cindy Turner, Career Coach
Tommy Wood, Career Coach
Jamal Woody, Career Coach

Hospitality

Kae Bailey

Volunteer Recruitment

Jessica Smith, United Way of East Central Alabama
Breanna Walker, Alabama Power Company

Chamber of Commerce Liaisons

Christy Cochran, Cleburne County
Linda Hearn, Calhoun County
Joy Perry, Cherokee County
Christi Robinson, Gadsden/Etowah County
Laura Strickland, Sylacauga
Dorothy Tidwell, Randolph County

Welcoming Committee

Jennifer Buchanan	Leslie LaPlante
Dana Davis	Gerri Langley
Lorie Denton	Misti Morgan
Lagina Fillingim	Kelley Pearce
Farrah Hayes	Jennifer Williams
Pam Johnson	

Worlds of Work Committee



JOB INTERVIEW SKILLS

- Arrive 15 minutes early
- Dress professionally
- Don't take your phone
- Don't take your parents
- Research the company & job
- Make good eye contact
- Do practice interviews
- Be confident but not cocky
- Ask questions
- Send a Thank You email

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Spreading joy in our communities.

Honda is committed to empowering our associates to get involved in the communities where we live and work. To that end, we happily give our time and resources to support our families, neighbors and local communities. By spreading joy, we help to make a positive impact in our communities – and across America.



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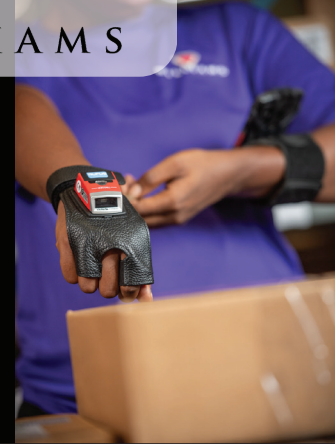
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Spire is proud to sponsor Worlds of Work and its mission to inspire the future leaders of our community.

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Tips for your visit to Worlds of Work

Represent your school well!

- Introduce yourself
- Shake hands firmly
- Speak clearly
- Ask questions
- Listen
- Smile
- Stay on task
- Say thank you

What to Wear

- Be sure to wear weather appropriate clothes
- Bring a jacket since you will be outside for some of the Career Worlds
- Sneakers or flat shoes

What Not to Wear

- Baggy or low-riding clothes
- Any dangling jewelry

Career Interest Areas

What are your top three career choices?

1. _____
2. _____
3. _____

Now research each!

- What do you like most about this career?
- What would you find most challenging about the career?
- What education/training is required?
- What salary or pay rate can you expect for this job/career?
- What can you do to prepare yourself NOW for this career?



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Agriculture and Outdoor Resources

What it takes:

- Entrepreneurial spirit
- Strong math and science skills
- Working with natural resources, such as livestock, plants, and timber
- Management ability and problem solving skills
- Interest in seeing a product grow from start to finish

Careers in Agriculture and Outdoor Resources

Occupation	Job Details	Industries	Median Pay
Ag / Bio-systems Engineer	Design and develop environmental systems and conservation plans	Science and Research, Public and Private Sectors	\$96,310
Agriculture Farm Manager	Direct farm production activities for day to day agriculture operations; budgets, and crop storage, transport, and sales	Commercial Agriculture, Feed Mills, Farm Centers, Public and Private Sectors	\$74,303
Biologist	Work with biological & chemical processes to research & design optimal production processes	Agriculture, Bio-manufacturing, Bio-pharmaceuticals, Energy, and Environmental Engineering	\$79,310
Forester	Develop land management plans, maintain forest projects and practices	Federal Land Management, State Land Management, Public and Private Sectors	\$57,694
Horticulture	Plant cultivation and production; growth of food, ornamental, and medicinal plants	Landscape Design, Green House Manager, Grounds Manager	\$61,650
Logging Equipment Operator	Heavy Machine Operator, loading and transporting of logs, stumps, and brush	Forestry Operations, Paper Mills & Manufacturing, Bio-Fuel Systems Operations	\$86,500
Soil Scientist	Research in production and the study of the chemical, physical, biological aspects of soils as they relate to plant or crop growth	Food Production, Scientific Research and Development	\$65,972

Career Spotlight

Golf Course Superintendent

If you have a passion for working with nature, people and technological equipment, a love for the game of golf and making decisions concerning the environment, you might consider becoming a part of the exciting world within the golf industry as a golf course superintendent.

Golf course management is a profession with a lot of variety. A golf course superintendent enjoys an attractive employment setting with frequent opportunities to be outdoors. The superintendent is responsible for the growth and maintenance of the golf course. He/she manages the staff that keeps the golf course in the best shape possible so golfers can enjoy playing the game.

Students pursuing a career as a golf course superintendent complete courses covering both business and landscaping aspects of course management. Over 100 colleges and universities across the country offer certificates, associate or bachelor's degree programs in golf course and turfgrass management.

GOLF COURSE SUPERINTENDENT
Average Salary
\$96,866



Agriculture and Outdoor Resources

Agriculture and Outdoor Resources Career Presenters



All careers represented in this expo require employees to be drug-free.

Automotive and Modern Manufacturing

What it takes:

- Strong math and science skills
- Willingness to be productive
- Satisfaction in teamwork
- Mastery of complicated machinery and processes
- Problem-solving skills

Careers in Automotive and Modern Manufacturing

Occupation	Job Details	Education	Median Pay
Chemical Plant and System Operator	Control or operate chemical processes or system of machines.	Bachelor's Degree	\$78,850
CNC Operator	Operate computer-controlled tools, machines, or robots to process parts, tools, or other work pieces made of metal, plastic, wood, stone, or other materials.	High School Diploma	\$42,490
Industrial Automation Technician	Apply engineering theory and principles to problems of industrial layout or manufacturing production.	Associate Degree	\$58,430
Machinist	Set up and operate a variety of machine tools to produce precision parts and instruments out of metal.	High School Diploma	\$49,140
Materials Handler / Forklift Operator	Move freight, stock, or other materials to ensure product is safely distributed around plant or job site.	High School Diploma	\$31,920
Mechanical Engineer	Perform engineering duties in planning and designing tools, engines, machines, and other mechanically functioning equipment.	Bachelor's Degree	\$97,780
Production Associate	Work as part of a team having responsibility for assembling an entire product or component of a product.	High School Diploma	\$36,190
Robotics Technician	Build, install, test, or maintain robotic equipment or related automated production systems.	Associate Degree	\$59,720

Career Spotlight

Maintenance Technician

The maintenance technician will use tools ranging from common hammers, hoists, saws, drills, and wrenches, to precision measuring instruments, computers, robots, and electrical testing devices. Most technicians will perform routine preventative maintenance to ensure machines run smoothly. Technicians will inspect, operate, or test machinery or equipment to diagnose malfunctions. The maintenance technician may also diagnose mechanical problems and determine corrections based on blueprints, repair manuals, or parts catalogs.



Automotive and Modern Manufacturing

Automotive and Modern Manufacturing Career Presenters



All careers represented in this expo require employees to be drug-free.

Business and Entrepreneurship

What it takes:

- Communication Skills
- Entrepreneurial Mindset
- Critical Thinking
- Networking
- Time Management
- Continuous Learning

Careers in Business and Entrepreneurship

Occupation	Job Details	Education	Median Pay
Accountant	Manage financial records, identify opportunities and risks, and ensure accuracy. They also assess financial and data risks and oversee proper tax payment.	Bachelor's Degree	\$62,300
Cosmetology	Provide personal care services that include caring for people's hair, skin, and nails.	Associate Degree Licensing	\$21,400
Financial Analyst	Guide businesses and individuals in decisions about expending money to attain profit. They assess the performance of stocks, bonds, and other types of investments.	Bachelor's Degree	\$81,100
Fitness Trainer	Guide and motivate individuals or groups in various exercise activities, encompassing cardiovascular workouts, strength training, and stretching.	High School Diploma Certification / OJT	\$47,600
Human Resources Manager	Oversee administrative functions, including recruitment and strategic planning. They serve as a link between management and employees.	Bachelor's Degree Certification	\$101,300
Insurance Agent	Agents sell different types of insurance, explaining policies and helping clients choose suitable plans.	High School Diploma Bachelor's Degree Licensing	\$67,500
Real Estate Agent	Real estate agents represent either sellers or buyers in real estate transactions. While brokers can work independently, agents typically operate under a licensed broker to represent clients.	High School Diploma Licensing	\$48,800
Sales Manager	Lead sales teams, establishing goals, analyzing data, and creating training programs for the organization's sales representatives.	High School Diploma / Bachelor's Degree	\$105,600
Therapist	Address the social, emotional, and physical effects of illnesses, injuries, or disabilities. They plan treatments and instruct patients on using adaptive equipment.	Bachelor's Degree Master's Degree Licensing	\$69,100

Career Spotlight

Insurance Agent

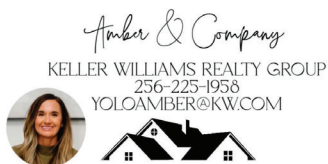
Insurance agents play a crucial role in the financial security of individuals and businesses by helping them navigate the complex landscape of insurance products. These professionals serve as intermediaries between clients and insurance companies, offering expert advice on various coverage options and helping clients choose policies that best suit their needs.

Insurance agents assess risks, analyze client requirements, and provide tailored solutions to protect against potential losses, whether in terms of health, property, or other assets. Building and maintaining strong client relationships is a key aspect of this career, as agents often work closely with clients to understand their changing circumstances and adjust coverage accordingly.

The insurance industry offers diverse opportunities for specialization, such as life, health, property, or casualty insurance, allowing agents to focus on areas that align with their interests and expertise. Success in this field requires effective communication skills, a deep understanding of insurance products, and a commitment to staying informed about industry trends and regulations. As trusted advisors, insurance agents contribute to the overall financial well-being of their clients while navigating a dynamic and rewarding career path.



Business and Entrepreneurship Career Presenters



Business and Entrepreneurship

All careers represented in this expo require employees to be drug-free.

Communications, Media and Marketing

What it takes:

- Excellent Writing and Verbal skills
- Self-Motivated
- Creative
- Detail-Oriented
- Ability to Multi-Task
- Technical Expertise
- Satisfaction in Teamwork
- Leadership Skills

Careers in Communications, Media and Marketing

Occupation	Job Details	Education	Median Pay
Copywriter	Produce engagement, straightforward text adapted to different advertising channels, such as websites or print ads; research keywords; proofread work.	Bachelor's Degree	\$53,410
Market Researcher	Evaluate data using statistical techniques and software; interpret data for the client to forecast consumer preferences, business conditions and other factors to assess potential sales of a product or service	Bachelor's Degree	\$68,230
News Anchor Reporter	Gather relevant information, pursue leads, interview sources and then present news stories via television or the web.	Bachelor's Degree	\$55,960
Photographer	Use technical expertise, creativity and composition skills to produce and preserve images.	Associate or Bachelor's Degree	\$40,170
Public Relations Specialist	Create and maintain a positive public image for the individuals, groups or organizations they represent; increase awareness of each client's work and goals.	Bachelor's Degree	\$67,440
Social Media Specialist	Responsible for developing and executing social media strategies; create engaging content to optimize business pages and foster community interaction; drive customer.	Associate or Bachelor's Degree	\$53,622

Career Spotlight

Graphic Designer

Graphic designers are creative professionals who combine art and technology to communicate ideas visually. They use various design elements, such as images, typography and colors, to create visually appealing and effective designs. Graphic designers work on a wide range of projects, including branding, advertising, web design and packaging.

A graphic designer's role involves interpreting a client's or a company's message and translating it into a visual language that resonates with the target audience. This could include designing logos, brochures, websites and social media graphics. They need to have a strong understanding of design software and a keen understanding of design principles, color theory and typography to create impactful and aesthetically pleasing visuals.

An associate or bachelor's degree is required for most graphic design positions. Many colleges and universities have programs that have a graphic design emphasis. The annual pay for entry-level graphic design positions in Alabama is \$30,000 with experienced graphic designers making approximately \$60,000 per year.



Communications, Media and Marketing

Communications, Media and Marketing Career Presenters



All careers represented in this expo require employees to be drug-free.

Construction



What it takes:

- Self-Discipline
- Ability to Follow Instructions
- Attention to Detail
- Safety Awareness
- Teamwork
- Self-Motivation

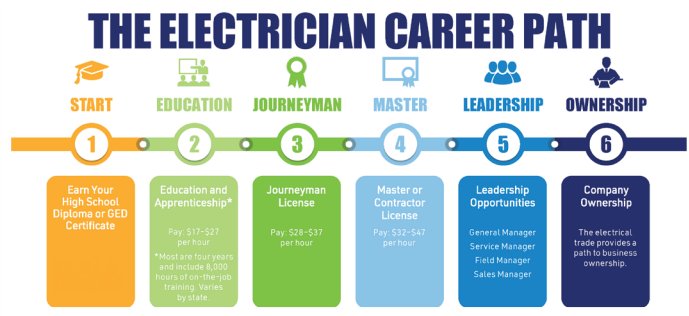
Careers in Construction

Occupation	Job Details	Education	Median Pay
Building Inspector	Inspect structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.	Post-secondary Certificate	\$52,870
Carpenter	Construct, erect, install, or repair structures and fixtures made of wood and comparable materials, such as concrete forms.	High School Diploma	\$40,260
Electrician	Install, maintain, and repair electrical wiring, equipment, and fixtures and ensure work meets all codes.	Post-secondary Certificate	\$48,170
Estimator	Prepare cost estimates to aid management in bidding on or determining price of product or service.	Bachelor's Degree	\$60,260
Fabricator	Fabricate, position, align, and fit parts of structural metal products.	High School Diploma	\$45,600
Ironworker	Raise, place, and unite iron or steel girders, and columns to form completed structures or structural frameworks.	High School Diploma	\$49,880
Plumber and Pipefitter	Assemble, install, and repair pipelines or pipe systems which carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems.	Post-secondary Certificate	\$48,190
Project Manager	Plan, direct, or coordinate activities in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation.	Bachelor's Degree	\$70,000
Welder	Use equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.	High School Diploma	\$45,580

Career Spotlight

Electrician

Electricians install conduit and wire, light fixtures, receptacles, and grounding systems to residences, commercial buildings, and industrial buildings. Electricians are needed in all aspects of the construction industry to get lights and power to the equipment. There are three tiers of electricians. A laborer is an entry level position that requires no prior experience or education. The next tier is a Journeyman, which requires 8,000 man hours (approximately 4 years) of verified electrical work experience. This experience qualifies you to take the state exam to be a Journeyman. The final tier is the Electrical Contractor license. This requires the same amount of work experience to qualify for the Electrical Contractor exam, which is more stringent than the Journeyman exam. To qualify for both exams, you must have approximately 4 years of verified work experience. This is an excellent career option for those looking to go straight to work out of high school.



From work-while-you-learn apprenticeships to career-elevating college courses, there are hundreds of ways to start your construction career! To find training providers near you, visit www.gobuildalabama.com.

Construction Career Presenters



HALE BUILDING CO., INC



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Construction

Education and Training

What it takes:

- Enthusiasm
- Excellent Written and Verbal Skills
- Creativity
- Patience
- Leadership Skills
- Desire to Help Others Achieve
- Ability to Multi-task

Careers in Education and Training

Occupation	Job Details	Education	Salary Range
Band Director	Music directors lead musical groups during performances and recording sessions.	Bachelor's Degree & Certificate	\$51,000 - \$62,000
Career Coach	Career counselors and advisors help people choose a path to employment.	Bachelor's Degree & Certificate	\$51,000 - \$62,000
Child Care Facility Director	Preschool and childcare center directors supervise and lead their staffs, design program plans, oversee daily activities, and prepare budgets.	Master's Degree & Certificate	\$50,000 - \$100,000
ESL Teacher	ESL (English as a Second Language) teachers specialize in helping non-native speakers of all ages and levels learn the formal grammar, vocabulary, and pronunciation of spoken and written English.	Bachelor's Degree & Certificate	\$43,000 - \$62,000
Education Administrator	Elementary, middle, and high school principals oversee all school operations, including daily school activities.	Master's Degree	\$68,000 - \$141,000
Higher Education Faculty	Postsecondary teachers instruct students in a variety of academic subjects beyond the high school level.	Master's or Doctoral Degree	\$50,000 - \$100,000
High School Teacher	High school teachers teach academic lessons and various skills that students will need to attend college and to enter the job market.	Bachelor's Degree & Certificate	\$43,000 - \$62,000
Librarian / Media Specialist	Librarians and library media specialists help people find information and conduct research for personal and professional use.	Master's Degree & Certificate	\$51,000 - \$62,000
School Counselor	School counselors help students develop academic and social skills.	Master's Degree & Certificate	\$51,000 - \$62,000
Science / Math Teacher	Teachers employed in Alabama teaching math and/or science courses in grades 6-12 through the TEAMS contract.	Bachelor's Degree & Certificate	\$46,000 - \$94,000

Career Spotlight

Career & Technical Education Teacher

Career and technical education teachers instruct students in various technical and vocational subjects, such as auto repair, healthcare, and culinary arts.

Most career and technical education teachers work in middle school, high school, and postsecondary schools, such as 2-year colleges. Others work in technical, trade, and business schools. Although they generally work during school hours, some teach evening or weekend classes.

Career and technical education teachers typically need at least a bachelor's degree and work experience in the subject that they teach. The median annual wage for career and technical education teachers was \$61,450 in May 2022.

Career Technical Education is unique in its approach to teaching and learning. Academics paired with real world application has a way of making students feel accomplished and gives them a place to thrive and belong.

(U.S. Bureau of Labor Statistics / JSU Website)



Education and Training

Education and Training Career Presenters



Central Alabama
Community College



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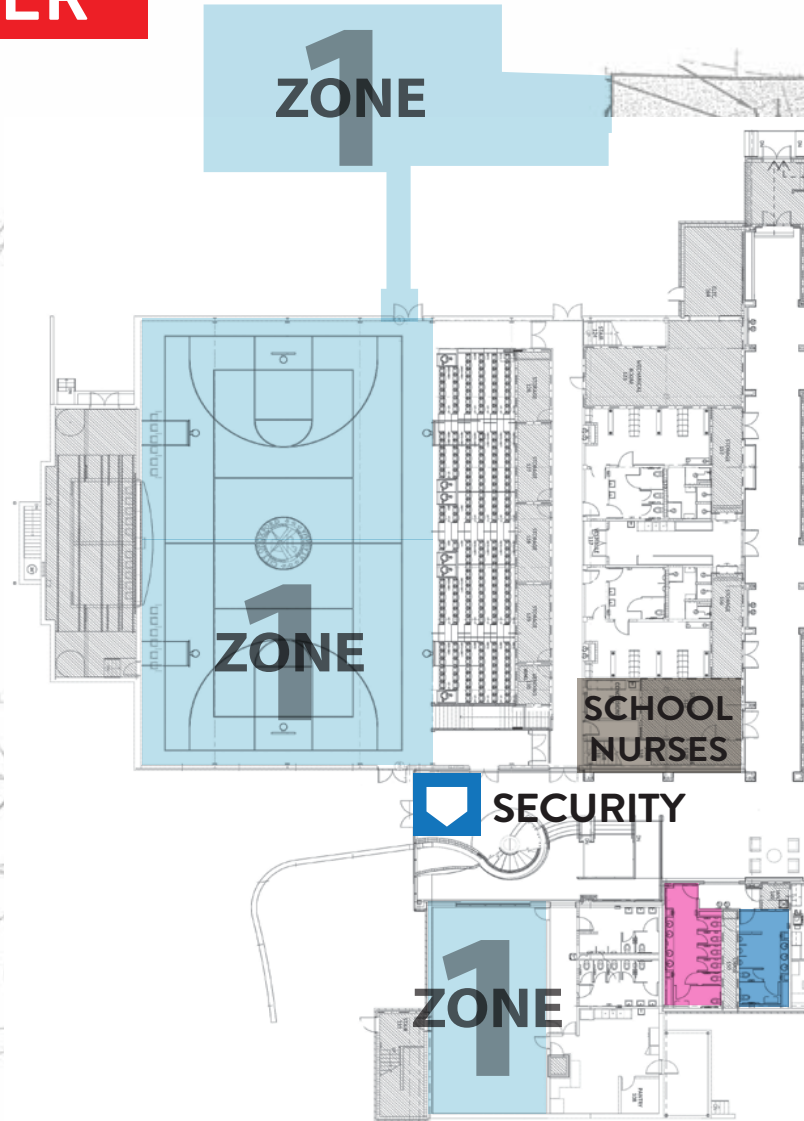
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MAP KEY

ZONE 1 AUTOMOTIVE AND MODERN MANUFACTURING
COMMUNICATIONS, MEDIA AND MARKETING

ZONE 2 ENERGY AND UTILITIES
HEALTHCARE

ZONE 3 BUSINESS AND ENTREPRENEURSHIP
EDUCATION AND TRAINING
ENGINEERING AND TECHNOLOGY

ZONE 4 AGRICULTURE AND
CONSTRUCTION

ZONE 5 PUBLIC SAFETY
TRANSPORTATION,

WOMENS RESTROOM

ZONE 4

ZONE 4

ZONE 3

ZONE 2

ZONE 5

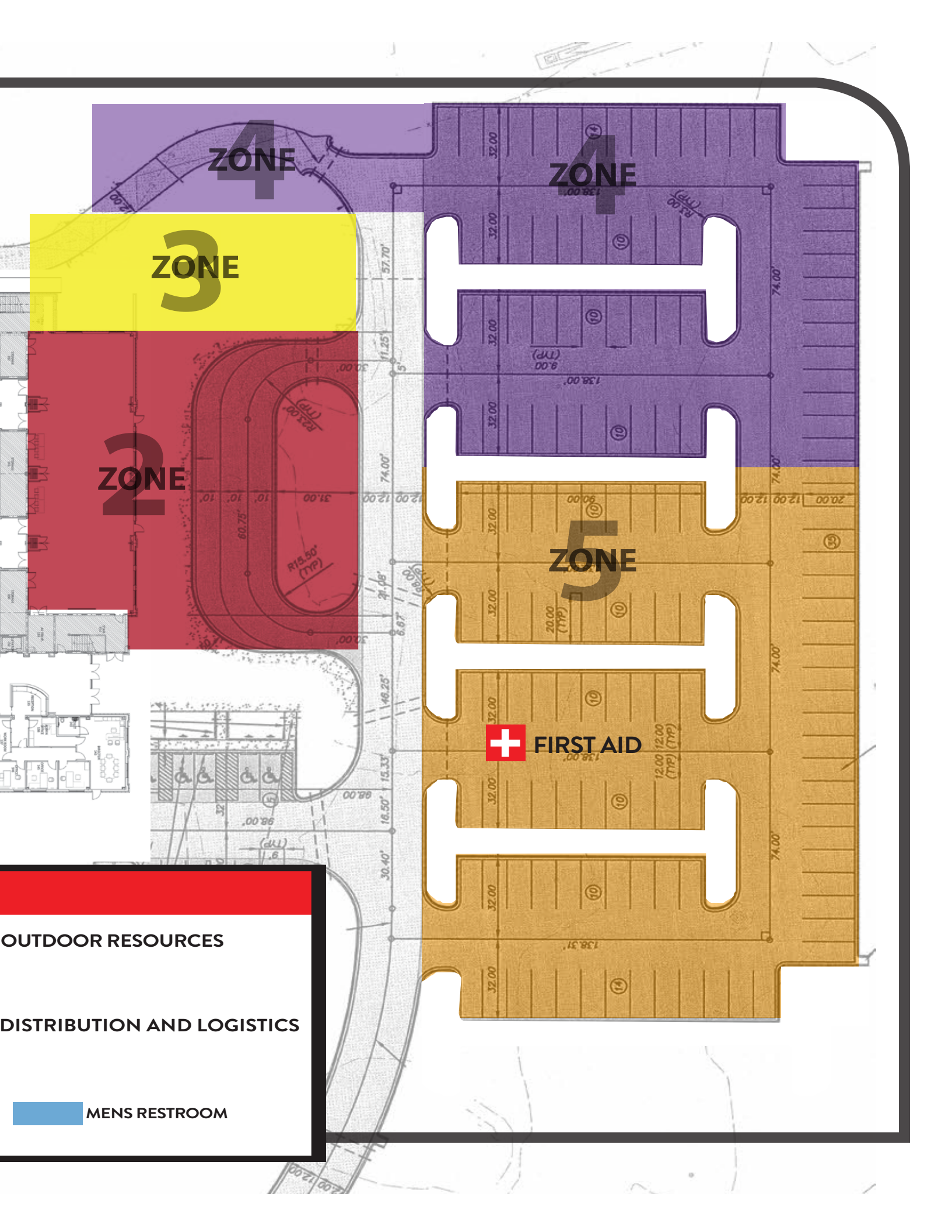


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MENS RESTROOM



Energy and Utilities



What it takes:

- Foundational skills in math and technical concepts
- Satisfaction in teamwork
- Self-motivation and attention to detail
- Leadership skills and a desire for continuous improvement
- Commitment to life-long learning

Careers in Energy and Utilities

Occupation	Job Details	Education	Median Pay
Chemical Engineer	Design chemical plant equipment and devise processes for manufacturing chemicals and products.	Bachelor's Degree	\$114,050
Data Analytics Analyst	Analyze information and assemble, implement and support automated data processes reports.	Bachelor's Degree	\$85,780
Electrical Engineer	Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems.	Bachelor's Degree	\$103,280
Line Maintenance	Install or repair cables or wires used in electrical power or distribution systems. May erect poles and light or heavy duty transmission towers.	High School Diploma / On the Job Training	\$82,650
Marketing Analyst	Develop and maintain good relationships with customers and business developers. Provide contractual and operational support for new business and acquisition opportunities. May employ marketing tactics, analyze web metrics, and develop recommendations.	High School Diploma / On the Job Training / Bachelor's Degree	\$55,680
Plant Operator	Distribute or process gas for utility companies and others by controlling compressors to maintain specified pressures on main pipelines.	High School Diploma / On the Job Training / Associate's Degree	\$80,600
Quality Control	Conduct tests to determine quality of raw materials, bulk, intermediate, and finished products. May conduct stability sample tests.	Bachelor's Degree preferred / Lab Experience	\$41,600
Wastewater Treatment Plant Operator	Operate or control a process or system of machines, often through the use of control boards, to transfer or treat water or wastewater.	High School Diploma and Certification	\$47,300
Water Utility Service Worker	Inspect meters, verify readings and determine usage for reporting	High School Diploma / On the Job Training / Technical Training	\$42,510

Career Spotlight

Maintenance and Reliability Technician

Maintenance and reliability technicians install, troubleshoot, and repair rotating equipment, electrical power systems, and performance and safety instrumented systems keeping plants online and running efficiently.



Energy and Utilities

Energy and Utilities Career Presenters



All careers represented in this expo require employees to be drug-free.

Engineering and Technology

What it takes:

- Strong math, science, and communication skills
- Focus and attention to detail
- Organizational skills
- Interest in problem-solving
- Satisfaction in teamwork



Careers in Engineering and Technology

Engineering Discipline	Job Details	Industries	Median Pay in 2022*
Aerospace	Design and develop aircraft, spacecraft, and related systems	Aerospace manufacturing, defense, and space exploration	\$126,880
Chemical	Work with chemical processes and materials to design and optimize production processes	Chemical manufacturing, pharmaceuticals, energy, and environmental engineering	\$106,260
Civil	Design, construction, and maintenance of infrastructure projects such as buildings, bridges, roads, and water supply systems	Both public and private sectors	\$89,940
Computer	Design and develop computer hardware and software systems	Technology, telecommunications, and computer manufacturing	\$132,360
Electrical	Work with electrical systems, electronics, and power generation	Telecommunications, power distribution, electronics manufacturing, and renewable energy	\$104,610
Industrial	Devise efficient systems that integrate workers, machines, materials, information, and energy to make a product or provide a service	Manufacturing, transportation, logistics, supply chain, health care, technology, retail	\$96,350
Mechanical	Design and develop mechanical systems and devices	Automotive, aerospace, manufacturing, and energy	\$96,310

*www.bls.gov/ooh/architecture-and-engineering/home.htm

Career Spotlight Chemical Engineer

A chemical engineer is a professional who applies principles of chemistry, physics, and engineering to design, develop, and optimize processes for the production of chemicals, materials, and energy. They use their expertise to solve complex problems and improve efficiency in various industries.

Key responsibilities include process/equipment design and optimization, research and development, quality control, project management, and safety and environmental compliance.

They play a crucial role in industries such as chemical manufacturing, pharmaceuticals, energy production, environmental engineering, and biotechnology. Their work contributes to the development of safe, efficient, and sustainable processes that drive innovation and improve our lives.



Engineering and Technology

Engineering and Technology Career Presenters

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Healthcare

What it takes:

- Strong math, science, and computer skills
- Attention to detail
- Desire to help others
- Satisfaction in teamwork

Careers in Healthcare

Occupation	Education Required	Salary
Biomed Electronics Technician	Associate Degree	\$99,550
Certified Nursing Aid (CNA)	Technical Training	\$35,740
Dental Hygienist	Associate Degree	\$81,400
Dentist	Doctorate	\$159,530
Lab Technician	High School Diploma/Certificate	\$57,380
Licensed Practical Nurse (LPN)	Certificate	\$54,620
Paramedic	Certificate/Associate Degree	\$39,410
Pharmacist	Doctorate	\$132,750
Pharmacy Tech	Certificate	\$37,790
Physical Therapist	Doctorate	\$97,720
Physician / Surgeon	Doctorate	\$229,300
Radiology Technologist	Associate Degree	\$67,180
Registered Nurse (RN)	Associate Degree/Bachelor's Degree	\$81,220
Respiratory Therapist	Associate Degree	\$70,540
Surgical Technician	Associate Degree	\$56,350

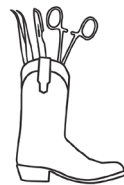
Career Spotlight Physical Therapist

Physical therapists help people recover from injuries and regain mobility through personalized treatment plans including exercise and manual therapy. They collaborate with other health care professionals and educate patients to empower them in their recovery process. To become a physical therapist, you must complete a Doctor of Physical Therapy program and obtain licensure.



Healthcare

Healthcare Career Presenters



#SurgeryInBoots
The Crawford Clinic



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Public Safety



What it takes:

- Loyalty to country and community
- Sound moral principles
- Dependability and a positive attitude
- Physical fitness
- Willingness to work long and varied hours

Careers in Public Safety

Occupation	Education Required	Salary Range
Corrections Officer	High School Diploma	\$42,000 - \$53,000
Detective	Associate Degree / Bachelor's Degree	\$50,000 - \$70,000
Emergency Dispatcher	High School Diploma / OJT	\$30,000 - \$55,000
Emergency Medical Technician (EMT)	Technical Training / Certificate	\$30,000 - \$42,000
FBI Agent	Bachelor's Degree	\$47,000 - \$67,000
Firefighter	High School Diploma / Technical Training	\$24,000 - \$55,000
Forest Firefighter	Technical Training / Associate Degree	\$30,000 - \$55,000
Military Enlisted	High School Diploma / OJT	\$22,000 - \$29,000
Military Noncommissioned Officer (NCO)	High School Diploma	\$31,000 - \$58,000
Military Officers	Bachelor's Degree	\$50,000 - \$100,000
Patrol Officer	High School Diploma / Associate Degree	\$27,000 - \$55,000
Police Officer	High School Diploma / Associate Degree	\$27,000 - \$65,000
Security Guard	High School Diploma / Associate Degree	\$26,000 - \$40,000
Sheriff/Deputy	High School Diploma / Associate Degree	\$28,000 - \$53,000

Career Spotlight Paramedic

Paramedics play a vital role in the field of emergency medical services, providing crucial care to individuals during life-threatening situations. Highly trained and dedicated, these healthcare professionals are often the first to arrive at the scene of accidents, medical emergencies, or disasters. Their responsibilities encompass a wide range of skills, from assessing patients' conditions and administering immediate medical treatment to safely transporting them to hospitals or other healthcare facilities. Paramedics are adept at making rapid, critical decisions, and they are equipped to handle a diverse array of medical issues, including cardiac arrest, trauma, and respiratory distress. Their commitment to saving lives and their ability to remain calm under pressure make paramedics indispensable members of the healthcare community, ensuring that timely and proficient care is provided to those in need.



Public Safety

Public Safety Career Presenters



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Transportation, Distribution and Logistics

What it takes:

- Time management skills
- Attention to detail
- Problem-solving ability
- Customer service
- Strong work ethic
- Good driving record

Careers in Transportation, Distribution and Logistics

Occupation	Job Details	Education	Median Pay
Automotive Mechanic	inspect, maintain, and repair cars and light trucks.	High School Diploma Associate Degree	\$46,970
Diesel Mechanic	inspect, repair, and overhaul buses, trucks, or any vehicle with a diesel engine.	High School Diploma Associate Degree	\$54,360
Fleet Manager	Plan, direct, or coordinate transportation, storage, or distribution activities in accordance with organizational policies and applicable government laws or regulations.	High School Diploma Associate Degree	\$108,910
Logistics Coordinator	Analyze and coordinate an organization's supply chain.	Certificate Associate Degree Bachelor's Degree	\$77,520
Maintenance Director	Plan, direct, or coordinate operations and functionalities of facilities and buildings.	Associate Degree	\$105,970
Mechanic Supervisor	Directly supervise and coordinate the activities of mechanics, installers, and repairers.	Associate Degree	\$76,020
Safety Manager	Responsible for planning, implementing and overseeing company's employee safety at work.	Bachelor's Degree	\$87,500
Shipping and Receiving Clerk	Verify and maintain records on incoming and outgoing shipments involving inventory.	High School Diploma On the Job Training	\$40,450
Truck Driver	Transport goods from one location to another.	CDL Class A License	\$49,920
Warehouse Supervisor	Overseeing the general operations of a warehouse and its staff	High School Diploma Associate Degree	\$72,789

Career Spotlight Diesel Mechanic

Diesel mechanics work on anything powered with a diesel engine including trucks, heavy equipment, trains, and boats. A career in diesel mechanics may be right for you if you are mechanically inclined and enjoy working with tools and repairing machines. If you choose this career, you must be able to use pneumatic tools, welding and cutting equipment, and hand tools. Diesel mechanics must also have expert knowledge of brake systems, transmissions, electronic components, and computer processors specific to diesel powered vehicles. Because much of the training is on-the-job, you could enter directly into this career after completing high school. However, you will become more successful financially by completing a technical or community college training industry certification.



Transportation, Distribution and Logistics

Transportation, Distribution and Logistics Career Presenters



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- Choccolocco Park
- City of Oxford
- City of Talladega
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- Oxford Police Department
- Oxford Public Library
- Piedmont City Schools
- RMC Health System
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AS YOU START EXPLORING CAREER OPPORTUNITIES, YOU'LL LEARN WHAT WORK EXPERIENCE, TRAINING, COURSES, AND DEGREES ARE NEEDED FOR EVERY JOB THAT INTERESTS YOU.

Alabama Talent Triad

Get connected with the next steps in your career or education pathway by registering with the Alabama Talent Triad. Create a skills-based Learning & Employment Record (LER) that will match your information with Alabama employers and give you important next steps in your journey down a career path. To learn more, visit: www.alabamatalenttriad.com.

Apprenticeship

Learn a craft or trade from a skilled craftsperson or master trade worker through supervised, full-time work that meets Alabama state standards. At the end of your apprenticeship, you'll receive a nationally recognized certificate of completion. For more information on apprenticeships, go to www.alapprentice.org.

Community College

Affordable community colleges and technical colleges are located in every region of Alabama. Earn a technical certification or an associate degree to prepare you for immediate entry into your career or to launch you directly into a four-year college or university. To learn more, visit www.accs.edu.

Financial Aid and Scholarships

There are many resources for financial aid and scholarships. To learn about financial aid, visit www.studentaid.gov. For regional scholarship opportunities, visit www.CFNEA.org/receive/scholarships.

Four-Year College or University

Alabama has many public and private colleges and universities. Alabama colleges and universities offer a robust variety of majors and minors to meet the needs of citizens of the State. These majors help students prepare for the workforce. For more information, visit www.ACHE.edu.

High School Career and Technical Education

Career and technical education is the foundation for the trend toward college and career-ready education. Successful students in career and technical education have the skills to enter the workforce, enroll in training programs, or excel in a two- or four-year college program. To learn more about Career Clusters, visit www.careertech.org/career-clusters.

Military Service

All branches of the U.S. military provide skills training, financial aid for college, and career opportunities in return for three or more years of service. Some people choose the military as a long-term career, while others use it to prepare for college or a career in private industry or public service.

On-The-Job Training

After earning a high school diploma, some graduates immediately start earning money as an entry-level employee. Through on-the-job training, they are able to learn new skills and gain valuable work experience.

Career Centers



Anniston Career Center 256.832.0147
Gadsden Career Center 256.546.4667
Talladega Career Center 256.480.2109
Roanoke Career Center 334.863.8114



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Contact Your Career Coach

<p>Leslie Alexander lalexander@talladega-cs.net</p> <p>Talladega City</p> <p>Valerie Arnold varnold@cherokee12.org</p> <p>Centre Middle School Cherokee County High School Gaylesville</p> <p>Haley Brown brownhc@attalla.k12.al.us</p> <p>Attalla City</p> <p>Robin Cottle rcottle@roanokecityschools.org</p> <p>Roanoke City</p> <p>Keena Cox kcox@pcsboe.us</p> <p>Piedmont City</p> <p>Katie Davenport katie_davenport@ecboe.org</p> <p>Glencoe Hokes Bluff Southside</p> <p>Gina Deupree gdeupree@tcboe.org</p> <p>Childersburg Munford</p>	<p>Jamie Harris harrisj@clayk12.org</p> <p>Clay County</p> <p>Jalen Johnson jalenjohnson@gadsdencityschools.org</p> <p>Gadsden City</p> <p>Isabella Lett ilett.av@ccboe.us</p> <p>Alexandria High School Alexandria Middle School White Plains Middle School</p> <p>April Livingston alivingston.oe@oxboe.com</p> <p>Oxford City K- 6</p> <p>Missy Middlebrooks missy.middlebrooks@scsboe.org</p> <p>Sylacauga City</p> <p>Heather Money hmoney@cherokee12.org</p> <p>Cedar Bluff Sand Rock Spring Garden</p> <p>Whitney Murchison whitney.murchison@tcboe.org</p> <p>B.B. Comer Fayetteville</p>	<p>Collyn Prince collyn_prince@ecboe.org</p> <p>Gaston Sardis West End</p> <p>Jennifer Robertson jrobertson@randolphboe.org</p> <p>Randolph County High School Rock Mills Wadley Woodland</p> <p>Whitney Robinson wrobinson@jcsboe.org</p> <p>Jacksonville City</p> <p>Ashton Ross ashton_ross@ecboe.org</p> <p>Etowah County Career Coach</p> <p>Kelli Sanford ksanford@tcboe.org</p> <p>Lincoln Talladega County Central Winterboro</p> <p>Vikki Sturkie vfloyd.oh@oxboe.com</p> <p>Oxford City</p>	<p>Tamar Towns townst@anniston.k12.al.us</p> <p>Anniston City</p> <p>Cindy Turner cturner.av@ccboe.us</p> <p>Ohatcee Pleasant Valley White Plains High School</p> <p>Tommy Wood tommy.wood@cleburneschools.net</p> <p>Cleburne County</p> <p>Jamal Woody jwoody.av@ccboe.us</p> <p>Saks Weaver Wellborn</p>
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Career Coaches can be contacted directly to help your student take advantage of the numerous opportunities available.

You may also visit www.careertech.org/career-clusters to learn more about technical training available to your high school student.

East Alabama's Fastest Growing Occupations

Career World	Occupation Title	Average Annual Openings
Business and Entrepreneurship	Financial Managers	20
Communications, Media and Marketing	Market Research Analysts & Marketing Specialists	30
Engineering and Technology	Industrial Engineers	40
Engineering and Technology	Mechanical Engineers	30
Healthcare	Nurse Practitioners	20
Healthcare	Occupational Therapy Assistants	15
Transportation, Distribution and Logistics	Logisticians	25

*2022-2023 Demand Occupations provided by the Alabama Department of Labor (ADOL) and the Alabama Committee on Credentialing and Career Pathways (ACCCP).



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