SAWDC
WORLDS OF OPPORTUNITY
NORTH

2020 CAREER EXPO
March 19th & 20th

COASTAL ALABAMA COMMUNITY COLLEGE

INSPIRING our future WORKFORCE
ONE STUDENT at a time
WE CAN
Change LIVES
Make a DIFFERENCE
Create OPPORTUNITIES

www.worldsofopportunity.com
Dear Parent/Guardian(s):

We all want what’s best for our children. In this changing world, what worked for us may not be the best option for them. By attending Worlds of Opportunity (WoO) North, students will have the opportunity to develop a clear understanding of career opportunities in our area. Also, they will gain knowledge on the necessary skills and education to compete for these positions.

You may be asking yourself, “Why in the world does my eighth-grader need to worry about that now?” Well, the choices your eighth-grader makes entering the ninth-grade will impact their career opportunities for a lifetime.

Southwest Alabama offers a growing array of high-wage and high-demand jobs. In today’s job market, only twenty percent of the jobs require a four-year degree; while, sixty-five percent of the jobs require an Associate degree or advanced technical training. By considering options like dual enrollment; internships; and apprenticeships, students will have the opportunity to obtain high-paying jobs immediately out of high school without the burden of college debt.

The truth of the matter is no one knows your children as well as you do: their strengths, their weaknesses, their quirks, their ambitions. You are their absolute best resource, and their number one advocate.

Eighth grade students will have an opportunity to explore exciting career paths at this year’s SAWDC Worlds of Opportunity (WoO) North event. WoO North will present real-world simulations of available career options. Each hands-on exhibit will be presented by top employers in our region. By attending WoO North, students will learn how to begin building a meaningful career as they enter high school.

WoO North for eighth grade students will be held on Thursday, March 19th at Coastal Alabama Community College Monroeville. The Varsity event for high school seniors will be held on Friday, March 20th at Coastal Alabama Community College Monroeville. Each school has received an event schedule.

We want you to have all the information you need to help your child begin making informed decisions. This booklet, published by SAWDC Alabama Works, not only outlines what it takes to succeed in a given field but also offers sample occupations, general education requirements and average salary ranges. Please review this booklet with your children, encourage them to ask questions, and seek additional support. Inside you will find information on:

- Aerospace & Aviation
- Computer & Information Technology
- Construction/Safety
- Energy
- Engineering & Design
- Healthcare
- Hospitality & Tourism
- Manufacturing
- Public Service
- Shipbuilding & Repair
- Transportation, Distribution & Logistics

To learn more, please visit sawdcalabamaworks.com.

Best regards,
SAWDC Alabama Works Board of Directors
# TABLE OF CONTENTS

**Sponsors**

- Safety 6
- Aerospace & Aviation 7
- Computer & Information Technology 8
- Construction 9
- Energy 10
- Engineering & Design 11
- Healthcare 12
- Hospitality & Tourism 13
- Manufacturing 14
- Public Service 15
- Shipbuilding & Repair 16
- Transportation, Distribution & Logistics 17

**Map**

- 18

**Contacts**

- 19
Appreciation is extended to all sponsors/partners/investors:

**PLATINUM SPONSORS**

- Alabama Power
- Coastal Alabama Community College

**GOLD SPONSORS**

- ExxonMobil
- GO BUILD
- Mobile Airport Authority

**SILVER SPONSORS**

- AM/NS Calvert
- Austal
- Bishop State
- Hargrove
- Ingalls Shipbuilding
- Merceria Ludgood
- Mobile County Commission
- Senator Vivian Figures
  Alabama State Legislature
- SSAB
SAFETY

Do you enjoy helping people?  Do you like solving problems?  Do you find learning exciting?

Look around you...
People you see every day performing a job may encounter some type of danger or hazard. Safety plays an important role in making sure injuries and accidents are avoided. Safety professionals work with companies and industries to find ways to help them be safe. A position in safety provides a high degree of job satisfaction, and a variety of limitless job opportunities depending on education, skill and experience.

What It Takes:
• An interest in science, math and technical concepts
• Good skills in working with people and communicating
• A desire to help and provide service to people
• Planning and organizational skills
• A genuine desire to learn and adapt to change

Check Out This Cool Career...
Construction Safety Specialist

Under the general direction of a Safety Manager (or Senior Safety Specialist on larger job sites), ensures the safety plan of the job reflects corporate policy and complies with the prevailing safety requirements for the region; administers job safety program; audits and inspects job site to detect and correct safety hazards; monitors the safety performance of all construction operations in assigned job site areas; performs accidents record analysis, and issues reports on a regularly scheduled basis.

High-Wage, High-Demand Careers in Safety

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required:</th>
<th>Average Annual Salary:</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Safety Specialist</td>
<td>Master's Degree</td>
<td>$55,000 – $149,000</td>
</tr>
<tr>
<td>Ergonomist</td>
<td>Master's Degree</td>
<td>$67,000 – $128,000</td>
</tr>
<tr>
<td>Risk Manager</td>
<td>Bachelor's Degree</td>
<td>$26,000 – $114,000</td>
</tr>
<tr>
<td>Industrial Safety &amp; Health Engineer</td>
<td>Bachelor's Degree</td>
<td>$55,000 – $149,000</td>
</tr>
<tr>
<td>Loss Control Consultant</td>
<td>Bachelor's Degree</td>
<td>$46,000 – $113,000</td>
</tr>
<tr>
<td>Safety Inspectors</td>
<td>Bachelor's Degree</td>
<td>$46,000 – $113,000</td>
</tr>
<tr>
<td>Occupational Safety &amp; Health Specialist</td>
<td>Bachelor's Degree</td>
<td>$44,000 – $99,000</td>
</tr>
<tr>
<td>Construction Safety Specialist</td>
<td>Bachelor's Degree</td>
<td>$34,000 – $72,000</td>
</tr>
<tr>
<td>Safety Technician</td>
<td>Associates Degree</td>
<td>$44,000 – $99,000</td>
</tr>
<tr>
<td>Industrial Hygienist</td>
<td>Associates Degree</td>
<td>$46,000 – $113,000</td>
</tr>
<tr>
<td>Safety Specialist</td>
<td>Associates Degree</td>
<td>$46,000 – $113,000</td>
</tr>
<tr>
<td>Fire Protection Specialist</td>
<td>Associates Degree</td>
<td>$55,000 – $149,000</td>
</tr>
</tbody>
</table>

Salary ranges are provided by the Alabama Department of Labor. All worlds represented in this career expo require employees to be drug free.

Career Paths in Safety

A number of surveys report that job satisfaction in the safety field is high. Typically, 90% of respondents say they are “satisfied” or “very satisfied” with their careers in safety. The reasons often include work differing each day and being able to contribute to the welfare of others. www.bscp.org/ladder
AEROSPACE & AVIATION

Do you like to draw? Do you like working with your hands and tools? Do you like math and science?

Look around you...
Planes and helicopters are used to transport people and products around the world. People working in the aerospace industry make this possible. Alabama has plenty of opportunities for highly-skilled, hard-working people who are interested in designing, building and working on aircraft.

What It Takes:
• An interest in science, math, and technical concepts
• Strong math and science skills
• Following directions
• Attention to detail
• Working on a team
• Problem solving

Check Out This Cool Career...
Avionics Mechanic
The avionic mechanic performs maintenance on tactical-communications-security, communication, navigation and flight control equipment. Duties performed may include: perform maintenance checks on aircraft flight controls, stabilization systems, avionics and controlled cryptographic equipment; maintain common/special tools and equipment; troubleshoot equipment and diagnose repairs and maintain shop and bench stock for aircraft avionics equipment.

High-Wage, High-Demand Careers in Aerospace & Aviation

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Engineer</td>
<td>Engineering Degree</td>
<td>$69,000 – $153,000</td>
</tr>
<tr>
<td>Structural Engineer</td>
<td>Engineering Degree</td>
<td>$51,000 – $133,000</td>
</tr>
<tr>
<td>Quality Engineer</td>
<td>Engineering Degree</td>
<td>$44,000 – $113,000</td>
</tr>
<tr>
<td>Manufacturing Engineer</td>
<td>Engineering Degree</td>
<td>$40,000 – $128,000</td>
</tr>
<tr>
<td>Business Unit Leader</td>
<td>Bachelor’s Degree</td>
<td>$44,000 – $113,000</td>
</tr>
<tr>
<td>Technical Customer Service</td>
<td>Post-Secondary</td>
<td>$52,000 – $119,000</td>
</tr>
<tr>
<td>Non-Destructive Testing</td>
<td>OJT/Technical Training</td>
<td>$25,000 – $80,000</td>
</tr>
<tr>
<td>Sheet Metal/Fabricator</td>
<td>OJT/Technical Training</td>
<td>$27,000 – $48,000</td>
</tr>
<tr>
<td>Avionics Mechanic</td>
<td>OJT/Technical Training</td>
<td>$24,000 – $79,000</td>
</tr>
<tr>
<td>A&amp;P Mechanic</td>
<td>OJT/Technical Training</td>
<td>$33,000 – $69,000</td>
</tr>
<tr>
<td>Production Machine Operator</td>
<td>OJT</td>
<td>$24,000 – $62,000</td>
</tr>
<tr>
<td>Assembler</td>
<td>OJT</td>
<td>$18,000 – $51,000</td>
</tr>
<tr>
<td>Inspector</td>
<td>OJT</td>
<td>$25,000 – $72,000</td>
</tr>
<tr>
<td>Material Handler</td>
<td>OJT</td>
<td>$19,000 – $40,000</td>
</tr>
</tbody>
</table>

OJT = On-the-Job Training

Career Paths in Aerospace & Aviation

Middle School
- Engineering Degree
  • Aerospace Engineer
  • Structural Engineer
  • Manufacturing Engineer
  • Quality Engineer
  Average annual earnings: $41,000 - $153,000

High School
- Bachelor’s Degree
  • Business Unit Leader
  Average annual earnings: $44,000 - $113,000
- Post-Secondary Education
  • Technical Customer Service
  Average annual earnings: $52,000 - $19,000
- OJT/Technical Training
  • A&P Mechanic
  • Avionics Mechanic
  • Non-Destructive Testing
  • Production Machine Operator
  • Sheet Metal/Fabricator
  Average annual earnings: $24,000 - $118,000
- OJT
  • Assembler
  • Inspector
  • Material Handler
  Average annual earnings: $18,000 - $72,000

All worlds represented in this career expo require employees to be drug free. Salary ranges are provided by the Alabama Department of Labor.
### Information Technology

**Do you Like PCs, Tablets, iPads and Smart Phones?**
**Do you like creating solutions using computer programming?**
**Do you like to go to the CLOUD for Social Media and Research?**

Look around you...

(IT) is the application of computers and telecommunications equipment to store, retrieve, transmit and manipulate data, often for a business or a Company. It is hard to imagine our lives without computers and PC’s now a day. If you are interested in designing a system that could be useful to a business, create an application for your Smart Phone, Tablet and iPad, or manage and maintain a computer network with PC’s and Mobile Devices, consider a career in Information Technology (IT).

#### Occupations: Education Required: Average Annual Salary:

- **Chief Information Officer**
  - 2&4 Year College/OJT
  - Average Annual Salary: $68,000 – $162,000

- **Systems Security Administrator**
  - 2&4 Year College/OJT
  - Average Annual Salary: $38,000 – $95,000

- **IT Auditor**
  - 2&4 Year College/OJT
  - Average Annual Salary: $53,000 – $114,000

- **Systems Analyst**
  - 2&4 Year College/OJT
  - Average Annual Salary: $53,000 – $114,000

- **Software Engineer**
  - 2&4 Year College/OJT
  - Average Annual Salary: $47,000 – $118,000

- **Web Developer**
  - 2&4 Year College/OJT
  - Average Annual Salary: $31,000 – $71,000

- **Web Designer**
  - 2&4 Year College/OJT
  - Average Annual Salary: $31,000 – $71,000

- **Database Administrator**
  - 2&4 Year College/OJT
  - Average Annual Salary: $43,000 – $99,000

- **Network Architect**
  - 2&4 Year College/OJT
  - Average Annual Salary: $31,000 – $71,000

- **Project Manager**
  - 2&4 Year College/OJT
  - Average Annual Salary: $26,000 – $113,000

- **Electronic Data Interchange Expert**
  - 2&4 Year College/OJT
  - Average Annual Salary: $26,000 – $113,000

- **Quality Assurance/Testing Manager**
  - 2&4 Year College/OJT
  - Average Annual Salary: $26,000 – $113,000

- **Web Administrator**
  - 2&4 Year College/OJT
  - Average Annual Salary: $26,000 – $113,000

- **Help Desk Tier 1**
  - High School Tech Courses
  - Average Annual Salary: $27,000 – $57,000

- **Instructor/Trainer**
  - High School Tech Courses
  - Average Annual Salary: $33,000 – $74,000

- **PC Technician**
  - High School Tech Courses
  - Average Annual Salary: $32,000 – $85,000

*OJT = On-the-Job Training

---

**Check Out This Cool Career...**

**Software Engineer**

One of the most critical and creative jobs in this industry is of a Software Engineer. They work in teams and possess excellent communication and problem-solving skills. This job requires a minimum of a bachelor’s degree in computer science, electrical engineering, computer engineering or a related discipline. They Design and create engineering specifications for software programs and applications. They work with quality assurance to develop software test plans and collaborate with hardware engineers to assess and test hardware and software interaction. Software Engineers have developed most of the applications we see and use daily on our PCs, Smart Phones and Tablets these days.

---

**High-Wage, High-Demand Careers in Information Technology**

<table>
<thead>
<tr>
<th>Occupations</th>
<th>Education Required:</th>
<th>Average Annual Salary:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Information Officer (CIO)</td>
<td>2&amp;4 Year College/OJT</td>
<td>$68,000 – $162,000</td>
</tr>
<tr>
<td>Systems Security Administrator</td>
<td>2&amp;4 Year College/OJT</td>
<td>$33,000 – $95,000</td>
</tr>
<tr>
<td>IT Auditor</td>
<td>2&amp;4 Year College/OJT</td>
<td>$53,000 – $114,000</td>
</tr>
<tr>
<td>Systems Analyst</td>
<td>2&amp;4 Year College/OJT</td>
<td>$47,000 – $118,000</td>
</tr>
<tr>
<td>Software Engineer</td>
<td>2&amp;4 Year College/OJT</td>
<td>$31,000 – $71,000</td>
</tr>
<tr>
<td>Web Developer</td>
<td>2&amp;4 Year College/OJT</td>
<td>$26,000 – $113,000</td>
</tr>
<tr>
<td>Web Designer</td>
<td>2&amp;4 Year College/OJT</td>
<td>$26,000 – $113,000</td>
</tr>
<tr>
<td>Database Administrator</td>
<td>High School Tech Courses</td>
<td>$27,000 – $57,000</td>
</tr>
<tr>
<td>Network Architect</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Project Manager</td>
<td>High School Tech Courses</td>
<td>$32,000 – $85,000</td>
</tr>
<tr>
<td>Electronic Data Interchange Expert</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Quality Assurance/Testing Manager</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Web Administrator</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Help Desk Tier 1</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Instructor/Trainer</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Computer Operator</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>Desktop Support Analyst</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
<tr>
<td>PC Technician</td>
<td>High School Tech Courses</td>
<td>$33,000 – $74,000</td>
</tr>
</tbody>
</table>

---

**Career Paths in Information Technology**

<table>
<thead>
<tr>
<th>Middle School</th>
<th>High School</th>
<th>High School Tech Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2&amp;4 Year College/OJT</td>
<td></td>
</tr>
</tbody>
</table>

---

Salary ranges are provided by the Alabama Department of Labor. **All worlds represented in this career expo require employees to be drug free.**


CONSTRUCTION

Do you like building things or drawing? Do you enjoy working with tools? Do you get good grades in math and science?

Look around you...
A team of construction professionals built every structure, residential community, park, hospital, roadway or shopping mall you can see. Whether you dream of designing a new building or wielding a blowtorch on a construction crew, opportunities are available throughout Alabama in construction.

What It Takes:
• Strong math, science and time management skills
• Attention to detail
• Following directions
• Satisfaction in working on a team
• Enjoy working with your hands and tools

Did you Know?
Each year in Alabama, there are over 2,875 construction job openings.
Construction tradesmen are paid on average 33% more per week than the rest of Americans.
It will take 39% of college graduates 10+ years to pay off their student loans—Construction Tradesmen don’t need a 4-year degree to make a living.

High-Wage, High-Demand Careers in Construction

Occupation: Education Required: Average Annual Salary:
Estimator Bachelor's Degree $37,000 – $90,000
Project Manager Bachelor's Degree $57,000 – $160,000
Project Engineer Bachelor's Degree $51,000 – $133,000
Instrumentation Technician Community College/OJT $35,000 – $122,000
Painter Community College/OJT $27,000 – $47,000
First Line Superintendent Community College/OJT $27,000 – $47,000
Boilermaker Community College/OJT $28,000 – $65,000
Carpenter Community College/OJT $22,000 – $61,000
Cement Mason Community College/OJT $22,000 – $61,000
Drywall Finisher Community College/OJT $22,000 – $61,000
Electrician Community College/OJT $22,000 – $61,000
Insulator Community College/OJT $22,000 – $61,000
Pipefitter Community College/OJT $22,000 – $61,000
Plumber Community College/OJT $22,000 – $61,000
Roofer Community College/OJT $22,000 – $61,000
Sheet Metal Worker Community College/OJT $22,000 – $61,000
Ironworker Community College/OJT $22,000 – $61,000
HVAC Mechanic Community College/OJT $22,000 – $61,000
Millwright Community College/OJT $22,000 – $61,000
Welder Community College/OJT $22,000 – $61,000

Check Out This Cool Career...

Heavy Equipment Operator

Heavy equipment operators maneuver heavy machinery safely, as well as calculate appropriate loads, follow blueprints and designs and ensure the proper running and maintenance of their machinery. Heavy equipment is a category of machinery that includes bulldozers, cranes, excavators, forklifts and other moving parts designed to transport earth or materials, erect and install construction materials, lay down roadbeds or pave materials. Work can be seasonal, with long hours and in all kinds of weather. Some operators work in remote locations, and care must be taken to follow all safety procedures in order to lower the chance of injury.

Career Paths in Construction

All worlds represented in this career expo require employees to be drug free. Salary ranges are provided by the Alabama Department of Labor.
High-Wage, High-Demand Careers in Energy

### Check Out This Cool Career...

**Line Maintenance**

Line installers and repairers (also known as line workers) install or repair electrical power systems and telecommunications cables, including fiber optics.

### Career Paths in Energy

- **Middle School**
- **High School**
- Bachelor's Degree
- On-The-Job Training and/or Two-Year Degree
- Engineer
  - Line Maintenance
  - Maintenance & Repair
  - Nuclear Plant Operations
  - Plant Operations

### Average Annual Salary:
- **Engineer**: $51,000 - $133,000
- **Plant Operations**: $66,000 - $170,000
- **Nuclear Plant Operations**: $46,000 - $95,000
- **Line Maintenance**: $31,000 - $60,000
- **Maintenance Repair**: $21,000 - $52,000

*OJT = On-the-Job Training

### The Challenge

We need team members who want to make a difference in the world and power it forward. If you enjoy understanding how things work and working in a team environment to complete multi-million and sometimes billion dollar projects, then the world of energy is an exciting place where you can unleash your potential.

There are many reasons to consider a career in the energy industry. With the right education and training, you can begin a rewarding, well-paying career that benefits millions of people every day.

Salary ranges are provided by the Alabama Department of Labor. All worlds represented in this career expo require employees to be drug free.
Look around you...
Almost everything you can see was designed by engineers or designers before being constructed. High-rise buildings, bridges and space ships require the expertise of architects, engineers and designers. If you’re interested in being part of something like designing a condo on the beach, or a ship, airplane or electronic device, consider a career in engineering or design.

What It Takes:
• Strong math, science and communication skills
• Focus and attention to detail
• Being organized
• Interested in solving problems
• Enjoy working on a team

High-Wage, High-Demand Careers in Engineering & Design

Occupation:       Education Required:       Average Annual Salary:
Architect        Bachelor's Degree      $56,000 – $144,000
Landscape Architect   Bachelor's Degree    $42,000 – $107,000
Chemical Engineer   Bachelor's Degree    $73,000 – $178,000
Civil Engineer    Bachelor's Degree    $51,000 – $133,000
Structural Engineer   Bachelor's Degree    $51,000 – $133,000
Electrical Engineer    Bachelor's Degree    $61,000 – $156,000
Mechanical Engineer   Bachelor's Degree    $64,000 – $143,000
Professional Surveyor   Bachelor's Degree    $31,000 – $88,000
Interior Design Architect   Bachelor's Degree    $20,000 – $79,000
Junior Designer     Associates Degree/Bachelor's Degree $40,000
Senior Designer     Associates Degree/Bachelor's Degree $62,500
Art Director        Associates Degree/Bachelor's Degree $67,500
In-House Creative Director        Associates Degree/Bachelor's Degree $70,000
Agency Creative Director        Associates Degree/Bachelor's Degree $100,000
Drafter/Designer    OJT/Community College   $34,000 – $63,000
Survey Tech         OJT/Community College   $25,000 – $75,000
Construction/Inspection  OJT/Community College   $34,000 – $72,000
User Experience Designer   OJT/Community College   $80,000
Self Employed Designer        OJT/Community College   $60,000
Design Firm Owner/Principal/Partner        OJT/Community College   $120,000

*OJT = On-the-Job Training

Check Out This Cool Career...
Civil Engineer

Working in one of the largest branches of engineering, civil engineers deal with buildings, bridges, dams, roads and other structures. They plan, design, and supervise the construction of facilities such as high-rise buildings, airports, water treatment centers and sanitation plants. In the near future, civil engineers will design the special rail beds for the magnetic levitation trains of tomorrow.

Career Paths in Engineering & Design

Middle School

Bachelor’s Degree

High School

On-the-Job Training w/ 2-Year College Degree

Average annual earnings
Architect $20,000 - $178,000
Chemical Engineer
Civil Engineer
Electrical Engineer
Interior Design Architect
Landscape Architect
Mechanical Engineer
Professional Surveyor
Structural Engineer

Construction Inspection
Drafter/Designer
Survey Tech

Average annual earnings
Construction Inspection $25,000 - $100,000
HIGH-WAGE, HIGH-DEMAND CAREERS IN HEALTHCARE

What It Takes
• Strong math, science and computer skills
• Attention to details
• Desire to help others
• Ability to work on a team

Look around you...
Did you know there are many other careers in healthcare other than doctors and nurses? Using science and problem-solving skills, people in healthcare create new medicines, discover cures for diseases, heal and comfort the sick and operate high-tech tools that diagnose and treat illnesses and injuries. Whether taking care of patients or working “behind the scenes,” healthcare in Alabama has something for everyone.

Check Out This Cool Career...
Respiratory Therapist

Respiratory therapists are recognized as some of the most important personnel in healthcare facilities! A respiratory therapist cares for and treats patients who have difficulty breathing, often in emergencies. They treat a wide range of patients, from those with chronic respiratory diseases, to premature infants, to elderly patients with diseased lungs. The basic requirement for this fast-growing occupation is an Associate’s Degree.

High-Wage, High-Demand Careers in Healthcare

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physician</td>
<td>Medical Degree</td>
<td>$53,000 - $260,000</td>
</tr>
<tr>
<td>Pharmacist</td>
<td>Doctorate</td>
<td>$90,000 - $159,000</td>
</tr>
<tr>
<td>Physical Therapist</td>
<td>Doctorate</td>
<td>$52,000 - $131,000</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>Master’s Degree</td>
<td>$33,000 - $113,000</td>
</tr>
<tr>
<td>Respiratory Therapist</td>
<td>Bachelor’s Degree</td>
<td>$41,000 - $62,000</td>
</tr>
<tr>
<td>Registered Nurse</td>
<td>Associates Degree</td>
<td>$43,000 - $75,000</td>
</tr>
<tr>
<td>Medical Laboratory Tech</td>
<td>Associates Degree</td>
<td>$26,000 - $65,000</td>
</tr>
<tr>
<td>Surgical Technician</td>
<td>Associates Degree</td>
<td>$27,000 - $46,000</td>
</tr>
<tr>
<td>Biomed Electronics Tech</td>
<td>Associates Degree</td>
<td>$25,000 - $46,000</td>
</tr>
<tr>
<td>Pharmacy Tech</td>
<td>Certificate</td>
<td>$21,000 - $38,000</td>
</tr>
<tr>
<td>Medical Coder</td>
<td>Certificate</td>
<td>$22,000 - $51,000</td>
</tr>
<tr>
<td>Medical Assistant</td>
<td>Certificate</td>
<td>$21,000 - $37,000</td>
</tr>
<tr>
<td>Phlebotomist</td>
<td>Certificate</td>
<td>$23,000 - $42,000</td>
</tr>
</tbody>
</table>

Career Paths in Healthcare

Middle School
- Medical Degree
- Doctorate
- Masters Degree
- Bachelor’s Degree
- Associates Degree
- Certificate
- • Physician
- • Pharmacist
- • Medical Assistant
- • Biomed Electronics Tech
- • Medical Laboratory Tech
- • Medical Coder
- High School
- Medical Degree
- Doctorate
- Masters Degree
- Bachelor’s Degree
- Associates Degree
- Certificate
- • Physician Assistant
- • Physical Therapist
- • Respiratory Therapist
- • Registered Nurse
- • Surgical Technician
- • Biomed Electronics Tech
- • Medical Laboratory Tech
- • Medical Coder
- • Pharmacy Tech
- • Phlebotomist

Salary ranges are provided by the Alabama Department of Labor. All worlds represented in this career expo require employees to be drug free.
## Occupation: Marketing Director
- Bachelor’s Degree
- Average Annual Salary: $46,000 – $175,000

## Occupation: General Manager - Hotel
- Bachelor’s Degree
- Average Annual Salary: $45,000 – $204,000

## Occupation: Golf Pro
- Bachelor’s Degree
- Average Annual Salary: **

## Occupation: Restaurant Manager
- Associates Degree
- Average Annual Salary: $33,000 – $92,000

## Occupation: Events Planner
- Associates Degree
- Average Annual Salary: $23,000 – $73,000

## Occupation: Executive Chef
- Associates Degree
- Average Annual Salary: $33,000 – $75,000

## Occupation: Pastry Chef
- Associates Degree
- Average Annual Salary: $33,000 – $75,000

## Occupation: Front Desk/Sales Manager
- Associates Degree
- Average Annual Salary: $30,000 – $75,000

## Occupation: Executive Housekeeper
- OJT
- Average Annual Salary: $23,000 – $52,000

## Occupation: Golf Course Maintenance
- OJT
- Average Annual Salary: $20,000 – $38,000

## Occupation: Spa Services
- OJT
- Average Annual Salary: $19,000 – $36,000

## Occupation: Maintenance Technician
- OJT
- Average Annual Salary: $21,000 – $52,000

*OJT = On-the-Job Training

---

### Check Out This Cool Career...

**Pastry Chef**

As a pastry chef, your job description may include the following kinds of tasks: overseeing kitchen staff, ordering supplies, producing baked goods, decorating and plating various pastries and desserts and keeping the kitchen organized. Pastry chefs need to be able to bake, which involves attention to detail, knowledge of ingredients and a fair amount of patience. They also need to have artistic ability and creativity to produce pastries and desserts that look as good as they taste.

---

### High-Wage, High-Demand Careers in Hospitality & Tourism

**Occupation:**
- Marketing Director
- General Manager - Hotel
- Golf Pro
- Restaurant Manager
- Events Planner
- Executive Chef
- Pastry Chef
- Front Desk/Sales Manager
- Executive Housekeeper
- Golf Course Maintenance
- Spa Services
- Maintenance Technician

**Education Required:**
- Bachelor’s Degree
- Bachelor’s Degree
- Bachelor’s Degree
- Associates Degree
- Associates Degree
- Associates Degree
- Associates Degree
- Associates Degree
- OJT
- OJT
- OJT

**Average Annual Salary:**
- $46,000 – $175,000
- $45,000 – $204,000
- **
- $33,000 – $92,000
- $23,000 – $73,000
- $33,000 – $75,000
- $33,000 – $75,000
- $30,000 – $75,000
- $23,000 – $52,000
- $20,000 – $38,000
- $19,000 – $36,000
- $21,000 – $52,000

*OJT = On-the-Job Training

---

### Career Paths in Hospitality & Tourism

**Middle School**
- Bachelor’s Degree
- Associates Degree/On-the-Job

**High School**
- On-the-Job Training

#### Average annual earnings
- General Manager - Hotel
  - $46,000 - $204,000
- Marketing Director
  - $46,000 - $204,000
- Golf Pro
  - $46,000 - $204,000
- Front Desk/Sales Manager
  - $23,000 - $92,000
- Executive Chef
  - $23,000 - $92,000
- Pastry Chef
  - $23,000 - $92,000
- Restaurant Manager
  - $19,000 - $52,000
- Events Planner
  - $19,000 - $52,000
- Maintenance Technician
  - $19,000 - $52,000
- Golf Course Maintenance
  - $19,000 - $52,000
- Executive Housekeeper
  - $19,000 - $52,000

All worlds represented in this career expo require employees to be drug free. Salary ranges are provided by the Alabama Department of Labor.
**Manufacturing**

Do you like working with machines and computers?  Do you want to see your work in public?

Look around you...
Manufactured products are everywhere. Look around at the buildings, bridges, boxes of candy, car bumpers and everything in between.

What It Takes:
- Strong math and science skills
- Willingness to be a productive teammate
- Comfort with complicated machinery and processes
- Excellent problem solving skills

Check Out This Cool Career...

**Process Control Operator**

Process plant operators control, monitor and maintain the machines and equipment used to produce, refine and pump chemicals, oil, gas and petroleum. In most cases, the machinery and equipment used in these processes is computer controlled, and it is the responsibility of process plant operators to set the controls and observe gauges and other instrumentation to monitor progress and check for malfunctions, leaks and other faults. Some process plant operators will also be responsible for preparing and measuring the raw materials to be used in manufacturing and refining processes.

High-Wage, High-Demand Careers in Manufacturing

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required</th>
<th>Average Annual Salary:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Engineer</td>
<td>Bachelor’s Degree</td>
<td>$73,000 – $178,000</td>
</tr>
<tr>
<td>Civil Engineer</td>
<td>Bachelor’s Degree</td>
<td>$51,000 – $133,000</td>
</tr>
<tr>
<td>Electrical Engineer</td>
<td>Bachelor’s Degree</td>
<td>$61,000 – $156,000</td>
</tr>
<tr>
<td>Mechanical Engineer</td>
<td>Bachelor’s Degree</td>
<td>$64,000 – $143,000</td>
</tr>
<tr>
<td>Team Manager</td>
<td>Bachelor’s Degree</td>
<td>$36,000 – $104,000</td>
</tr>
<tr>
<td>Training Manager</td>
<td>OJT/Secondary Education</td>
<td>$32,000 – $85,000</td>
</tr>
<tr>
<td>Production Coordinator</td>
<td>OJT/Secondary Education</td>
<td>$24,000 – $93,000</td>
</tr>
<tr>
<td>Maintenance Electrician</td>
<td>OJT/Secondary Education</td>
<td>$21,000 – $52,000</td>
</tr>
<tr>
<td>Maintenance Mechanic</td>
<td>OJT/Secondary Education</td>
<td>$31,000 – $96,000</td>
</tr>
<tr>
<td>Process Operator</td>
<td>OJT/Secondary Education</td>
<td>$57,000 – $80,000</td>
</tr>
<tr>
<td>Process Control operator</td>
<td>Associates Degree</td>
<td></td>
</tr>
</tbody>
</table>

*OJT = On-the-Job Training

Salary ranges are provided by the Alabama Department of Labor. All worlds represented in this career expo require employees to be drug free.
Look around you...
A career in public service assures our society will continue to function in an orderly and just manner. Police officers, firefighters and corrections officers are some of the local service branches available in your community.

Military careers require some of the same personal and professional characteristics but have a wider impact around the globe.

What It Takes:
• Loyalty to country, community
• Soundness of moral principals
• Dependable performance and attitude
• Physical fitness
• Acceptance of working long and varied hours

Check Out This Cool Career...

Police Officer
Police officers work in partnership with the communities they serve to maintain law and order, protect members of the public and their property, prevent crime, reduce the fear of crime and improve the quality of life for all citizens. They use a wide range of technology to protect individuals, identify the perpetrators of crime and ensure successful prosecutions against those who break the law.

High-Wage, High-Demand Careers in Public Service

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBI Agent</td>
<td>Bachelor’s Degree, Bachelor’s Degree</td>
<td>$36,000 – $124,000</td>
</tr>
<tr>
<td>Military Officer</td>
<td>Bachelor’s Degree, High School Diploma</td>
<td>$37,000 – $140,000</td>
</tr>
<tr>
<td>Military Enlisted</td>
<td>High School Diploma</td>
<td>$22,000 – $45,000</td>
</tr>
<tr>
<td>Military Noncom Officer</td>
<td>High School Diploma</td>
<td>$22,000 – $45,000</td>
</tr>
<tr>
<td>Corrections Officer</td>
<td>High School Diploma</td>
<td>$35,000 – $71,000</td>
</tr>
<tr>
<td>Police Officer</td>
<td>High School Diploma</td>
<td>$31,000 – $63,000</td>
</tr>
<tr>
<td>Firefighter</td>
<td>High School Diploma</td>
<td>$26,000 – $50,000</td>
</tr>
</tbody>
</table>

Career Paths in Public Service

- Middle School
  - Bachelor’s Degree
  - • Military Officer
  - • FBI Agent
    - Average annual earnings: $36,000 - $140,000

- High School
  - • Corrections Officer
  - • Firefighter
  - • Military Enlisted
  - • Military Noncom Officer
  - • Police Officer
    - Average annual earnings: $22,000 - $71,000

Earn a 5% pay increase with a two-year degree - Earn a 10% pay increase with a four-year degree

All worlds represented in this career expo require employees to be drug free. Salary ranges are provided by the Alabama Department of Labor.
**SHIPBUILDING & REPAIR**

*Do you like math?  Do you like working outside?  Do you like working with your hands?  Do you like working with a team?*

**Look around you...**
Before there were trains, planes and cars, there were boats. From small fishing boats and mega yachts to cargo ships and gigantic aircraft carriers, shipbuilding offers you a lot of career opportunities. Whether you are interested in becoming a marine engineer to design ships or a skilled craftsperson to build them, if you have what it takes, a career in shipbuilding can really pay off!

**What It Takes:**
• Good math and science skills
• A positive attitude and strong work ethic
• Satisfaction in working with your hands and tools
• Ability to listen and follow directions
• Satisfaction in working outdoors instead of behind a desk

---

**Check Out This Cool Career...**

**Marine Composite Mechanic**
Laminate layers of fiberglass on molds to form boat decks and hulls.

---

**High-Wage, High-Demand Careers in Shipbuilding & Repair**

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Engineer</td>
<td>Bachelor’s Degree</td>
<td>$56,000 – $128,000</td>
</tr>
<tr>
<td>Naval Architect</td>
<td>Bachelor’s Degree</td>
<td>$56,000 – $128,000</td>
</tr>
<tr>
<td>Composite Fitter</td>
<td>OJT/Community College</td>
<td>$33,000 – $62,000</td>
</tr>
<tr>
<td>Composite Mechanic</td>
<td>OJT/Community College</td>
<td>$27,000 – $45,000</td>
</tr>
<tr>
<td>Carpenter</td>
<td>Apprenticeship/OJT</td>
<td>$28,000 – $59,000</td>
</tr>
<tr>
<td>Scaffold Mechanic</td>
<td>Apprenticeship/OJT</td>
<td>$33,000 – $65,000</td>
</tr>
<tr>
<td>Electrician</td>
<td>Apprenticeship/OJT</td>
<td>$30,000 – $61,000</td>
</tr>
<tr>
<td>Pipeliner</td>
<td>Apprenticeship/OJT</td>
<td>$27,000 – $48,000</td>
</tr>
<tr>
<td>Sheet Metal Worker</td>
<td>Apprenticeship/OJT</td>
<td>$34,000 – $62,000</td>
</tr>
<tr>
<td>Rigger</td>
<td>Apprenticeship/OJT</td>
<td>$33,000 – $62,000</td>
</tr>
<tr>
<td>Machinist</td>
<td>Apprenticeship/OJT</td>
<td>$36,000 – $63,000</td>
</tr>
<tr>
<td>Painter</td>
<td>Apprenticeship/OJT</td>
<td>$25,000 – $52,000</td>
</tr>
<tr>
<td>Shipfitter</td>
<td>Apprenticeship/OJT</td>
<td>$27,000 – $47,000</td>
</tr>
<tr>
<td>Painter</td>
<td>Apprenticeship/OJT</td>
<td>$27,000 – $47,000</td>
</tr>
</tbody>
</table>

*OJT = On-the-Job Training*

---

**Career Paths in Shipbuilding & Repair**

<table>
<thead>
<tr>
<th>High School</th>
<th>Middle School</th>
<th>College/University</th>
<th>Apprenticeship/On-The-Job Training/Community College</th>
<th>On-the-Job Training/Community College</th>
<th>Average annual earnings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$56,000 - $128,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$25,000 - $65,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$27,000 - $62,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$27,000 - $62,000</td>
</tr>
</tbody>
</table>

Salary ranges are provided by the Alabama Department of Labor. All worlds represented in this career expo require employees to be drug free.
Look around you...
Transportation is the act of moving goods and products from one place to another. This can include transporting items through air, land, or sea. Logistics is broader, and includes all your procedures for making sure your customers get their goods on time. Every industry in the world relies upon professionals in Transportation, Distribution & Logistics to ensure that they have what they need to do their jobs. From life saving medication in hospitals, to the steel needed in manufacturing, none of it can arrive without the expertise of these individuals.

What It Takes:
• Attention to details
• Ability to Follow Directions and Work as a Team
• Foundational Skills in Math and Technical Concepts
• Planning and Organizational Skills
• Punctual and Dependable

Do you like math? Do you like working outside? Do you like working with your hands? Do you like working with a team?

Check out this Cool Career...
Commercial Truck Driver

Commercial truck drivers transport goods to and from our community every day, keeping our stores and restaurants filled. Without these everyday working-class heroes, we would be limited to the goods produced in our local communities. This career requires the completion of a short certificate and a clean driving history. Safety on the road is the most important aspect of a truck driver’s job.

High-Wage, High-Demand Careers in Distribution & Logistics

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Education Required</th>
<th>Average Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logisticians</td>
<td>Bachelor’s Degree</td>
<td>$46,600 - $90,900</td>
</tr>
<tr>
<td>First Line Supervisors of Transportation and vehicle operators</td>
<td>OJT/Community College</td>
<td>$29,300 - $60,700</td>
</tr>
<tr>
<td>Transportation Inspectors</td>
<td>OJT/Community College</td>
<td>$31,500 - $81,200</td>
</tr>
<tr>
<td>Locomotive Operators</td>
<td>OJT/Community College</td>
<td>$45,300 - $64,600</td>
</tr>
<tr>
<td>Transportation and Distribution Managers</td>
<td>OJT/Community College</td>
<td>$66,200 - $79,500</td>
</tr>
<tr>
<td>Cargo and Freight Agents</td>
<td>OJT/Community College</td>
<td>$29,700 - $79,500</td>
</tr>
<tr>
<td>Truck Drivers</td>
<td>Certificate</td>
<td>$22,300 - $44,800</td>
</tr>
</tbody>
</table>

All worlds represented in this career expo require employees to be drug free. Salary ranges are provided by the Alabama Department of Labor.
CAREER & TECHNICAL EDUCATION CONTACTS

BREWTON CITY PUBLIC SCHOOLS
David Jones / djones@brewtoncityschools.org

CHOCTAW COUNTY PUBLIC SCHOOLS
Leslie Gibbs / lgibbs@choctawal.org

CLARKE COUNTY PUBLIC SCHOOLS
Ashlie Flowers / aflowers@clarkecountyschools.org

CONECUH COUNTY PUBLIC SCHOOLS
Mary Ann Danford / Maryann.danford@conecuhk12.com

ESCAMBIA COUNTY PUBLIC SCHOOLS
David Lanier / dlanier@escambiak12.net

MONROE COUNTY PUBLIC SCHOOLS
Edna Richardson / erichardson@monroe.k12.al.us

THOMASVILLE CITY SCHOOLS
Dr. Vic Adkison / vadkison@thomasvilleschools.org

SAWDC STAFF

Shernita Taylor
Assistant Executive Director

Conner Miller
Project Manager

Elecia Scott
Project Coordinator

Sherry Deloach
Regional Liaison

WOO North Varsity Event

High school seniors can learn about competitive, high-wage career opportunities and meet with potential employers at the Worlds of Opportunity (WoO) Varsity event.

High school seniors and their parents/guardians are encouraged to attend WoO Varsity on Friday, March 20th from 8:30 to 12 noon. Students will have the opportunity to talk to industry professionals about high-demand jobs in our region and how they can obtain these jobs in the future. Admission is free.

High school seniors who attend WoO Varsity will be entered into a drawing to win a $1,000 scholarship, toward a technical program, to Coastal Alabama Community College, Bishop State Community College, or Reid State Technical College.

The event is held in conjunction with Worlds of Opportunity (WoO) North, a career expo for 8th grade students. The middle school portion is only open to schools in the region that SAWDC Alabama Works serve and is not open to the general public.
SAWDC Worlds of Opportunity has served as Southwest Alabama Workforce Development Council’s signature event since 2010. It was designed with one singular purpose: to educate Southwest Alabama’s future workforce about the employment opportunities in our region. Thus, the slogan for this event has become “Inspiring our future workforce one student at a time.”

SAWDC has developed into SAWDC AlabamaWorks, an organization that focuses on Southwest Alabama’s workforce needs. SAWDC is responsible for engaging industry by aligning the regions education/training resources to meet employer’s needs.

SAWDC develops strategic partnerships that attract and educate; also train students, job seekers, and workers to better meet industry needs. Our investors are instrumental in SAWDC’s effort to develop a comprehensive and integrated workforce development system that better meets the needs of our region.

We would like to express our sincere thanks to the following FY 2019 investors: