

# VIRTUAL CAREER

# EXPO

## 2020



Imagine  
the possibilities

Northeast Mississippi Career Expo  
In affiliation with Pathways2Possibilities

Kick Off Week October 6-8, 2020

Sponsored by the Toyota Wellspring Education Fund at CREATE



Download the  
new **APP** now!



[www.itpcareerexpo.com](http://www.itpcareerexpo.com)



**Look  
Inside**

For 1 of 6  
Golden Tickets!



Three Rivers Planning & Development District serves as the fiscal/administrative agent for The Mississippi Partnership, which is one of four workforce areas in the State of Mississippi designated to carry out the Workforce Innovation & Opportunity Act (WIOA) of 2014. The Mississippi Partnership Workforce Area encompasses the largest geographical area in the State of Mississippi, covering 27 counties in northern Mississippi and is governed by a 23-member board and 27 chief elected officials.

The Mississippi Partnership is responsible for establishing and maintaining a skilled workforce system that provides the highest quality services and a skilled workforce. The Partnership is also responsible for establishing local performance standards, one-stop delivery centers (known as WIN Job Centers in the State of Mississippi), selecting qualified service providers for youth services, and monitoring performance.

<http://trpdd.com/workforce/>



This valuable resource was compiled for teachers and students in the 17 Northeast Mississippi counties covered by the CREATE Foundation. Our goal is to connect schools with career professionals within our area by providing a resource, which identifies internship, externship, co-op, job shadowing, training on the job, and apprenticeship opportunities for young adults.

The directory also provides guest speaker contacts for teachers to access when planning career days or talk to professionals in specific fields of interest. We hope the result will be more students aware of careers and opportunities that are right here in Northeast Mississippi!

<http://createfoundation.com/pathways2professionals/>



### **YouScience uncovers ALL talent**

The power of YouScience lies in our performance measures of aptitudes and our ability to connect natural talent with in-demand careers. We cut through social noise and gender biases to create more equity and access – matching users to their best-fit careers and giving them the confidence and data to make informed decisions about their futures.

[www.youscience.com](http://www.youscience.com)

# Welcome

Welcome to the virtual Imagine the Possibilities Career Expo! Tenth-grade students from seventeen Northeast Mississippi Counties will have an opportunity to participate in this year's virtual experience. Please take a moment to register on our website ([www.itpcareerexpo.com](http://www.itpcareerexpo.com)) or through our app (ITP Career Expo) to begin your career exploration journey!

Be sure to explore the 18 career pathways included in this booklet, as each page lists possible jobs and careers within each professional field, the median expected salary, and the educational and training paths to follow. We've also added gamification to this year's experience and hope you take advantage of earning points to have an opportunity to win the awesome Apple products!

## Table of Contents

Lead Sponsor .....	2
Founding Sponsor .....	3
Aerospace .....	4
Agriculture, Food & Natural Resources.....	5
Architecture & Construction .....	6
Arts, A/V Technology & Communications .....	7
Business Management & Administration .....	8
Education & Training .....	9
Energy .....	10
Engineering .....	11
Finance.....	12
Government & Public Administration .....	13
Health Sciences .....	14
Hospitality & Tourism.....	15
Human Services .....	16
Information Technology.....	17
Law, Public Safety, Corrections & Security .....	18
Manufacturing .....	19
Marketing.....	20
Transportation, Distribution & Logistics .....	21





# CREATE

NORTHEAST MISSISSIPPI'S  
COMMUNITY FOUNDATION

As a community foundation, CREATE works to promote philanthropy, build and oversee permanent endowments and provide leadership on key community issues. Since 1972, CREATE has partnered with individuals, families, organizations, and corporations to provide grants to non-profits that help meet a wide range of community needs. The focus of the foundation includes leadership and support for education, health and human services, public recreation and beautification, and the arts. For almost 50 years, CREATE has been there meeting the needs of our communities and making a lasting impact in our region.

CREATE Founders George and Anna Keirseay McLean believed that by joining together, communities could cultivate leaders that would make a difference for us all. Programs like the Northeast Mississippi Youth Foundation (NEMYF) that teach area students about philanthropy and leadership are making a difference. The newly formed Linking Education to Careers Leadership Council is developing ways to enhance college and career readiness for K-12 students. CREATE has more than

80 scholarship funds that help students further their education. The Commission on the Future of Northeast Mississippi, the program arm of CREATE, has intensely focused on improving educational quality and attainment for our region. It has led the way in establishing the Tuition Guarantee program for Northeast Mississippi. Tuition Guarantee allows students to attend one of the four community colleges in our region tuition-free. CREATE also helps sponsor the Teacher of Distinction awards that honor outstanding public school teachers in the Tupelo and Lee County school districts. CREATE has a long history of supporting and enhancing public education. Through its partnerships, CREATE will continue to make an impact in the lives of students that will better prepare them for the future. CREATE is proud to be a lead sponsor for the 2020 Imagine the Possibilities Career Expo.

If you or your company are interested in becoming a sponsor, participant, or volunteer for next year's career expo, please contact the CREATE Foundation at (662) 844-8989 or visit us at [www.createfoundation.com](http://www.createfoundation.com).



# WELLSPRING EDUCATION FUND

## A FUND OF THE CREATE FOUNDATION

The commitment of Toyota to establish a \$50 million endowment over ten years at the CREATE Foundation is one of the most extraordinary gifts to support public education in the history of our state. Over the past several years, CREATE, through the recommendation of the Toyota Wellspring Advisory Committee, has used the proceeds from the endowment to enhance education in Lee, Pontotoc, and Union Counties.

It is difficult to measure the impact of such an extraordinary gift. However, because of Toyota's presence and generosity, we believe our region will never be the same.

### INVESTMENT

Over \$9 million spent to enhance K-12 education in Lee, Pontotoc, and Union Counties since the funds inception.

### GRANTS

Over \$2 million in grants used to improve technology and necessary infrastructure, while enhancing early childhood education and STEAM instruction in the eight school districts.

### DUAL-ENROLLMENT

Dual-enrollment courses in web app development, healthcare careers, aviation, advanced manufacturing and more. Courses allow students real-world experiences and opportunities to garner college credit.

### SUMMER CAMPS

Tuition for summer academic camps at MSU, Ole Miss, and NMMC exposes students to culinary instruction, STEAM experiences, as well as advanced manufacturing camps held on the campuses of NEMCC and ICC.

### TWEF LEADERSHIP COMMITTEE

The establishment of the Toyota Wellspring Education Fund Leadership Committee, comprised of educators and business leaders who assist in developing systemic changes to link education to careers in kindergarten through grade 12.

### IMAGINE THE POSSIBILITIES CAREER EXPO

A major career expo held in the fall of each year which hosts over 7,000 8th grade students at the BancorpSouth Arena and Conference Center in Tupelo. Starting in 2020, the focus was shifted to 10th grade students. Each student has two hours and 15 minutes to experience four to eight Pathways. There are 18 Pathways, all aligned with the career Pathways set forth by the Mississippi Department of Education.

### TEACHER OF THE YEAR

Funding for the Teacher of the Year awards in all eight districts. Teachers are recognized with a commemorative plaque and a monetary amount.

### CAREER COACHES

Hiring and placement of 11 Career Coaches in 14 high schools in the PUL districts who will function as liaisons for students and business and industry. Career Coaches will ensure students are exposed, prepared, and connected to their college and career goals and resources while supporting workforce development in this region.



**A**erospace workers apply mathematical and scientific principles to the design, development and operational evaluation of aircraft, space vehicles and their systems; applied research on flight characteristics; and the development of systems and procedures for the launching, guidance and control of air and space vehicles.

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Aerospace Engineer	Engineering Degree	\$65,130 - \$150,680
Structural Engineer	Engineering Degree	\$65,130 - \$150,680
Quality Engineer	Engineering Degree	\$47,840 - \$76,960
Non-Destructive Testing	On-The-Job Training/ Technical Training	\$47,840 - \$76,960
Customer Service	Post-Secondary Education	\$41,600 - \$68,640

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

## Student Resources

**SkillsUSA**  
[www.skillsusa.org](http://www.skillsusa.org)

## Pathfinders

PATHFINDER	AFFILIATION
Dr. Shana Lee	Bagley College of Engineering Mississippi State University

## Career Options

High School Diploma & Training	<ul style="list-style-type: none"> <li>• Non-Destructive Testing</li> <li>• Inspector</li> <li>• Technical Customer Service</li> <li>• Assembler</li> <li>• Avionics Mechanic</li> <li>• Material Handler</li> <li>• Sheet Metal Fabricator</li> <li>• A &amp; P Mechanic</li> <li>• Production Machine Operator</li> </ul>
4-Year+ Degree	<ul style="list-style-type: none"> <li>• Aerospace Engineer</li> <li>• Manufacturing Engineer</li> <li>• Structure Engineer</li> <li>• Quality Engineer</li> <li>• Business Unit Leader</li> </ul>



## Career Options

### High School Diploma & Training

- Groundskeeper
- Harvester
- Animal Caretaker
- Miller
- Nursery Worker
- Veterinary Assistant
- Fish & Wildlife Technician

### 2+ Year Post-Secondary Education

- Animal Breeder
- Veterinary Technician
- Lab Technician
- Hatchery Manager
- Air & Quality Technician

### 4-Year+ Degree

- Fish & Game Warden
- Oceanographer
- Botanist
- Environmental Engineer
- Agriculture Manager
- Veterinarian
- Food Scientist
- Astronomer
- Forester

The agriculture, food and natural resources career pathway focuses on supporting life by ensuring that we are responsibly managing our food production and natural resources. These areas supply us and many other countries with a wide variety of food products and non-food products, such as fibers, natural resources and nursery items. These fields contribute positively to our foreign trade balance, and they remain some of the nation's larger industries in terms of total employment. This cluster focuses on preparing students for careers in the planning, implementing, producing, managing, processing and marketing of agricultural goods and services.

## Student Resources

**Future Farmers of America**  
[www.fla.org](http://www.fla.org)

## Pathfinders

PATHFINDER	AFFILIATION
Dr. Bill Burdine	MSU Extension Service-Tupelo

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Agricultural Inspector	Bachelor's Degree	\$25,540 - \$63,150
Food Scientist	Graduate Degree	\$34,750 - \$104,840
Veterinarian	Graduate Degree	\$51,530 - \$144,100
Forester	Graduate Degree	\$37,160 - \$83,370

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

## Career Options

High School Diploma & Training

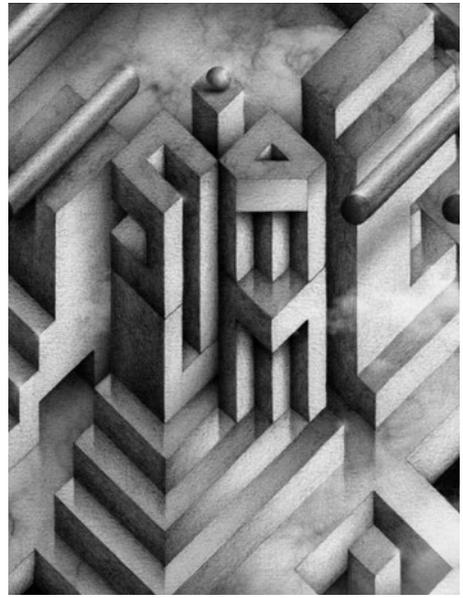
- Carpenter's Assistant
- Drafting Aide
- Cost Estimator
- Welder
- Cable Installer
- Elevator Repair and Installer
- HVAC Mechanic

2+ Year Post-Secondary Education

- Electronic Technician
- Drafting Technician
- Electrician Surveyor
- Plumber
- Carpenter
- Mason
- Construction Supervisor
- Surveyor

4-Year+ Degree

- Electrical Engineer
- Civil Engineer
- Architect
- Construction Manager
- Landscape Architect



## Student Resources

**SkillsUSA**  
[www.skillsusa.org](http://www.skillsusa.org)

## Pathfinders

PATHFINDER	AFFILIATION
Bessy Roberts	McCarty Architects

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Drafter/Designer	Associate's or Bachelor's Degree	\$15,000 - \$45,000
Brick Mason	On-The-Job Training/ Post-Secondary Education	\$37,000 - \$52,000
Interior Designer	Bachelor's Degree	\$20,000 - \$60,000
Architect	Bachelor's Degree	\$70,000 - \$200,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

**H**ouses, apartments, factories, roads and bridges are some products of architecture and construction. This industry's activities include designing and building structures, including site preparation, as well as adding and modifying existing ones. The industry includes landscaping, maintenance, repair and improvements of structures. To offset rising energy costs, some companies opt for new buildings or energy efficient renovations. "Green construction" is increasingly popular and involves making buildings as environmentally friendly as possible by using recyclable and

earth-friendly products. Construction offers career opportunities for people with different talents and educational backgrounds. Career opportunities include managers, clerical workers, accountants, engineers, truck drivers, trades workers and construction helpers. This pathway prepares students for careers in designing, planning, managing, building and maintaining built environments. People employed in architecture and construction work on new structures, restorations, additions, alterations and repairs.



## Student Resources

**SkillsUSA**  
[www.skillsusa.org](http://www.skillsusa.org)

## Pathfinders

PATHFINDER	AFFILIATION
Nicole Calvert	WTVA

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Radio Announcer	Associate's Degree	\$17,450 - \$75,850
Graphic Designer	Bachelor's Degree	\$26,000 - \$79,000
Cosmotologist	On-The-Job Training/ Post-Secondary Education	\$17,010 - \$44,220
Performing Arts Director	Bachelor's Degree	\$24,000 - \$64,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

Information, communication, technology and rapid change are leading forces in the 21st century. These fields combine artistic expression and individual style with in-depth understanding of today's state-of-the-art technologies. Strong communication and presentation skills make these career choices rewarding and profitable. Flexibility and innovation are commodities of the times. In today's creative economy, the arts provide training and service for a workforce driven by innovation and communication. This career

## Career Options

High School Diploma & Training	<ul style="list-style-type: none"> <li>• Composer</li> <li>• Dancer</li> <li>• Singer</li> <li>• Jeweler</li> <li>• Media Aide</li> <li>• Illustrator</li> <li>• Actor</li> <li>• Graphic Assistant</li> <li>• Production Assistant</li> <li>• Web Designer</li> </ul>
2+ Year Post-Secondary Education	<ul style="list-style-type: none"> <li>• Visual Effects Artist</li> <li>• Cosmotologist</li> <li>• Radio Announcer</li> <li>• Videographer</li> <li>• Art Restorer</li> <li>• Copywriter</li> <li>• Sound Editor</li> <li>• Web Page Designer</li> </ul>
4-Year+ Degree	<ul style="list-style-type: none"> <li>• Fashion Designer</li> <li>• Animator</li> <li>• Graphic Designer</li> <li>• Creative Director</li> <li>• Public Relations</li> <li>• Music Director</li> <li>• Multimedia Artist</li> <li>• News Reporter</li> <li>• Film/Video Editor</li> <li>• Broadcast News Analyst</li> <li>• Editor</li> <li>• Curator</li> </ul>

pathway focuses on courses of study that develop collaborative skills, creative thinking and an appreciation for diversity. The creative sector includes activities of nonprofit cultural organizations, commercial enterprises and professionals engaged in the applied arts. This career pathway covers art, communication and design avenues, including the performing arts, fine art, design industries, the film and movie industry, broadcast journalism, corporate communications, social media and public relations.

## Career Options

High School Diploma & Training	<ul style="list-style-type: none"> <li>• Data Entry Clerk</li> <li>• Cashier</li> <li>• Entrepreneur</li> <li>• Executive Assistant</li> <li>• Receptionist</li> <li>• Human Resources Clerk</li> </ul>
2+ Year Post-Secondary Education	<ul style="list-style-type: none"> <li>• Bookkeeper</li> <li>• Office Manager</li> <li>• Records Manager</li> <li>• Realtor</li> <li>• Training Specialist</li> <li>• Benefits Specialist</li> <li>• Administrative Services Manager</li> </ul>
4-Year+ Degree	<ul style="list-style-type: none"> <li>• Chief Executive Officer</li> <li>• Operations Manager</li> <li>• Business Manager</li> <li>• Human Resources Manager</li> <li>• Recruiter</li> </ul>



## Student Resources

**Future Business Leaders  
of America**  
[www.fbla-pbl.org](http://www.fbla-pbl.org)

## Pathfinders

PATHFINDER	AFFILIATION
Molly Lovorn	Community Development Foundation (CDF)

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Cashier	High School Diploma	\$16,420 - \$27,710
Administrative Assistant	On-The-Job Training/ Post-Secondary Education	\$37,800 - \$52,000
Human Resources Specialist	Bachelor's Degree	\$33,240 - \$96,470
Chief Executive Officer	Master's Degree	\$75,030 - \$171,610

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

Workers with the skill sets necessary for efficient business management and administration operations fuel U.S. enterprises. Rewarding careers in this area of study can lead to a myriad of different companies and markets. Business management and administration professionals plan, direct, maintain and organize business operations for an organization. Business fundamentals serve as the foundation for all business pathways.

Courses in business provide instruction in basic business skills and knowledge related to economic fundamentals, management, communications, finance, human relations, career development, ethics and business etiquette. This pathway prepares students for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.



## Student Resources

**Future Educators Association**  
[www.futureeducators.org](http://www.futureeducators.org)

**Family, Career and Community  
 Leaders of America**  
[www.fcclainc.org](http://www.fcclainc.org)

## Pathfinders

PATHFINDER AFFILIATION

Dr. Devon Brenner Mississippi State University

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Teacher	Bachelor's Degree	\$19,350 - \$84,340
Web Developers	Associate's Degree	\$67,990
Training & Development Specialist	Bachelor's Degree	\$31,910 - \$93,470
Occupational Therapist	Master's Degree	\$83,200

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

## Career Options

High School  
 Diploma  
 & Training

- Teacher's Aide
- Substitute Teacher

2+ Year Post-  
 Secondary  
 Education

- Substitute Teacher
- Teacher's Assistant

4-Year+  
 Degree

- Principal
- Teacher
- Coach
- Librarian
- Audiologist
- Administrator
- Speech Language Pathologist
- Training & Development Specialist

A vital part of everyone's life, education is the future of our economy. The amount and type of education that individuals receive is a major influence on both the jobs they are able to hold and their earnings. Lifelong learning is important in acquiring new knowledge and upgrading one's skills, particularly in this age of rapid technological and economic change. This pathway focuses on preparing students for work in a variety of institutions that offer academic education, career and technical instruction, and other education and training to millions of students each year. This industry also includes institutions that provide training, consulting and other support services to schools and students, such as curriculum development, student exchanges and tutoring. Also included are schools or programs that offer nonacademic or self-enrichment classes, including automobile driving and cooking instruction, among others.

Each day of our lives is centered on energy. Without energy, your morning would be very different—no alarm clock, hot water, hairdryer, stove, air conditioning, television or car. All of these appliances and devices depend on natural gas, electricity or oil. Challenges lie ahead about how we provide energy reliably in a growing world while minimizing negative impacts on the environment.



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Engineering	Bachelor's Degree	\$52,000 - \$105,000
Line Maintenance	OJT/Two-Year Degree Preferred	\$33,000 - \$80,000
Fabrication Mechanic	OJT/Two-Year Degree Preferred	\$45,760 - \$83,200
Nuclear Plant Operations	OJT/Two-Year Degree Preferred	\$30,000 - \$75,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

### Student Resources

**Get on the Grid Mississippi**  
[www.getonthegridms.com](http://www.getonthegridms.com)

**SkillsUSA**  
[www.skillsusa.org](http://www.skillsusa.org)

### Pathfinders

PATHFINDER	AFFILIATION
Jennifer Johnson	Pontotoc Electric Power Association

### Career Options

High School Diploma & Training

- Maintenance & Repair
- Line Maintenance
- Fabrication Mechanic
- Nuclear Plant Operations
- Plant Operations
- Instrument & Electrical Technician
- Machinists Mechanic

4-Year+ Degree

- Engineering



## Career Options

### High School Diploma & Training

- Surveyor
- Engineering Technician
- Map Technician

### 2+ Year Post-Secondary Education

- Mechanic
- Electro-Mechanical Technician
- Drafter
- Chemical Technician

### 4-Year+ Degree

- Technical Writer
- Industrial Engineer
- Polymer Scientist
- Chemist
- Computer Systems Analyst
- Civil Engineer
- Engineering Manager
- Nuclear Engineer

Almost everything you see was designed by engineers or designers before being constructed. High-rise buildings, bridges and spaceships require the expertise of architects, engineers and designers. If you are interested in being part of something like designing a condo on the beach, or designing a ship, airplane or electronic device, consider a career in engineering or design. Polymer scientists can find themselves working on an array of products and industries from agriculture to fossil fuels to cosmetics and kitchen technology.

## Student Resources

**Technology Student Association**  
[www.tsaweb.org](http://www.tsaweb.org)

## Pathfinders

PATHFINDER AFFILIATION

Gina Black Community Development Foundation (CDF)

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Civil Engineer	Bachelor's Degree	\$51,810 - \$126,190
Chemical Technician	Associate's Degree	\$26,220 - \$70,710
Polymer Science	Bachelor's Degree	\$41,080 - \$120,600
Computer Systems Analyst	Bachelor's Degree	\$49,950 - \$122,090
Engineering Manager	Graduate Degree Preferred	\$75,350 - \$144,520

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Customer Service Rep	High School Diploma	\$32,300
Financial Advisor	Bachelor's Degree	\$32,280 - \$187,200
Administrative Support	On-The-Job Training/ Post-Secondary Education	\$21,610 - \$54,310
Accountant	Bachelor's Degree	\$39,930 - \$111,510

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

## Career Options

### High School Diploma & Training

- Customer Service Representative
- Teller
- Claims Adjuster
- Insurance Appraiser
- Account Collector

### 2+ Year Post-Secondary Education

- Bookkeeping Clerk
- Tax Preparer
- Credit/Debt Counselor
- Claims Agent
- Loan Processor

### 4-Year+ Degree

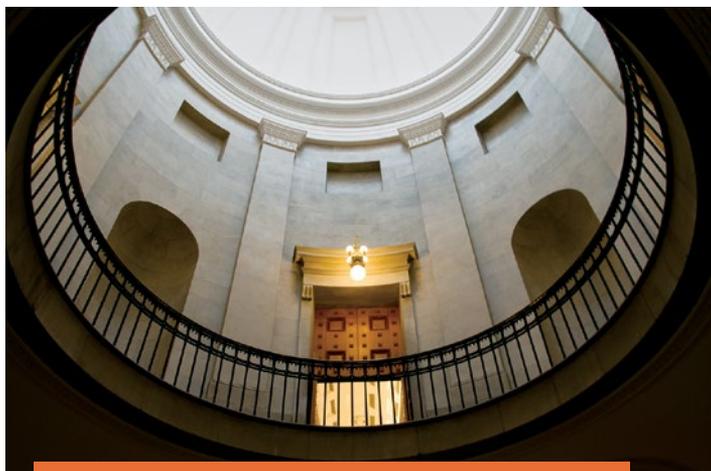
- Accountant
- Financial Advisor
- Bank Manager
- Actuary
- Auditor
- Insurance Agent

The finance industry deals with the management, investment, transfer and lending of money. Every company utilizes money, and the finance area is responsible for the handling of those funds. The industry itself is very large, encompassing everything from small, local businesses and banks to the multinational corporations and investment banks regularly featured in news headlines. The finance career pathway prepares students for careers in financial and investment planning, banking, insurance and business financial management. There are several fields of study in this pathway, including corporate finance, financial planning, investment banking, insurance and real estate.

## Pathfinders

PATHFINDER	AFFILIATION
Kristi Hillhouse	BancorpSouth
Charlotte Pratt	BancorpSouth

## Student Resources



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
City Planner	Bachelor's Degree	\$41,490 - \$97,630
State Auditor	Bachelor's Degree	\$38,817 - \$74,852
State Forester	Bachelor's Degree	\$39,285 - \$81,114
County Tax Collector	Master's Degree	\$30,350 - \$92,740

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

## Career Options

### High School Diploma & Training

- Postmaster
- Census Clerk
- County Roads Laborer
- Compliance Officer

### 2+ Year Post-Secondary Education

- City Code Enforcement Officer
- Quality Control Inspector
- County Senior Resources Aide
- Nuclear Quality Control Inspector

### 4-Year+ Degree

- City Parks and Recreation Director
- State Forester
- County Tax Collector
- City Planner
- State Auditor
- State Emergency Specialist
- Lobbyist

The field of government and public administration provides ample opportunity to help one's fellow citizens. These jobs are vital to ensure and enable governmental services reach the American people. Many of these positions facilitate assistance activities that are critical to the function of American society. Employees in government or public administration careers work to keep our society running and functioning in ways that are nearly invisible to most people. For instance, some of these tasks include safeguarding national borders and supporting diplomatic missions, as well as planning urban developments, administering public programs and analyzing tax policies. This pathway includes careers in governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.

## Pathfinders

PATHFINDER	AFFILIATION
Ronnie Bell	Three Rivers Planning & Development District
Bill Renick	Three Rivers Planning & Development District

## Student Resources



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Registered Nurse	Associate's Degree	\$45,040- \$94,720
Medical Coder Specialist	High School Diploma/ Post-Secondary Education	\$22,250 - \$56,200
Physician	First Professional Degree	\$120,640+
Pharmacist	Doctorate	\$89,280 - \$145,910

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

**H**ealthcare is the fastest growing industry in the U.S. Technological advances have made new procedures and methods of diagnosis and treatment possible. Clinical developments, like infection control, less invasive surgical techniques, advances in reproductive technology, and gene therapy for cancer treatment, increase longevity and improve the quality of life for many people. Advances in information technology improve patient care and worker efficiency. Information on vital signs and orders for tests are transferred electronically, eliminating the need for paper and reducing record keeping errors. Healthcare students prepare for careers promoting health and wellness and diagnosing and treating injuries and diseases. Some careers involve working with people, and others involve researching disease or collecting and formatting data and information. Settings include hospitals, medical offices, laboratories, communities, sports arenas or cruise ships.

## Pathfinders

PATHFINDER	AFFILIATION
Rosalyn Campbell	North Mississippi Medical Center
Tina Snyder	Baptist Memorial Hospital

## Career Options

### High School Diploma & Training

- Nurse Assistant
- Mortuary Assistant
- Massage Therapist
- Home Health Aide
- Medical Coder Specialist
- Emergency Medical Technical
- Phlebotomist
- Admitting Clerk

### 2+ Year Post-Secondary Education

- Respiratory Therapist
- X-Ray Technician
- Paramedic
- Medical Lab Tech
- Registered Nurse
- Sonographer
- Funeral Director
- Dental Hygienist

### 4-Year+ Degree

- Dentist
- Chiropractor
- Nutritionist
- Physical Therapist
- Pharmacist
- Physician

## Student Resources



## Career Options

### High School Diploma & Training

- Maintenance Technician
- Spa Services Technician
- Concierge
- Translator
- Cook
- Banquet Server
- Groundskeeper
- Gaming Supervisor
- Hunting Guide

### 2+ Year Post-Secondary Education

- Executive Housekeeper
- Front Desk/Sales Manager
- Lead Banquet Server Captain
- Sous Chef
- Ticketing Agent

### 4-Year+ Degree

- Director of Hotel
- Executive Chef
- General Manager
- Meeting & Convention Planner
- Asst. Superintendent
- Golf Course
- Golf Course General Manager

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Director of Hotel	Bachelor's Degree	\$50,000 - \$100,000
Front Desk/Sales Manager	Associate's Degree	\$32,000 - \$60,000
Executive Housekeeper	Associate's Degree	\$35,000 - \$50,000
Spa Services Technician	Training	\$20,000 - \$50,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

As long as people have free time, they will pursue leisure activities. As leisure time and personal incomes grow across the nation, so will the hospitality industry. Leisure activities include theatrical activities, such as attending a cinema for a movie; going to a community theater for a play; enjoying gaming entertainment offered by casinos; or taking part in sporting activities, such as kayaking, tennis or surfing. Food services, restaurants and cocktail establishments are a widespread and familiar category within this industry. People travel for a

variety of reasons, including vacations, business and visits to friends and relatives. Many travelers stay in hotels and seek accommodations while out of town. Resort and casino hotels offer activities to keep travelers and families occupied during their stay. This industry includes physical fitness facilities that feature exercise programs, gyms, health clubs and spas. This pathway introduces students to management, marketing and operation of restaurants, as well as lodging establishments and tourist attractions.

## Student Resources

SkillsUSA • [www.skillsusa.org](http://www.skillsusa.org)  
 Family, Career & Community  
 Leaders of America • [www.fcclainc.org](http://www.fcclainc.org)

## Pathfinders

PATHFINDER	AFFILIATION
Kinney Ferris	Visit Oxford

## Career Options

- |                                  |   |
|----------------------------------|---|
| High School Diploma & Training   | <ul style="list-style-type: none"> <li>• Fitness Trainer</li> <li>• Childcare</li> </ul>  |
| 2+ Year Post-Secondary Education | <ul style="list-style-type: none"> <li>• Preschool Teacher</li> <li>• Research Aide</li> </ul>  |
| 4-Year+ Degree                   | <ul style="list-style-type: none"> <li>• Social Worker</li> <li>• Counselor</li> <li>• Clergy</li> <li>• Clinical Psychologist</li> <li>• Family Therapist</li> <li>• Community Service Manager</li> <li>• Probation Officer</li> </ul> |



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Fitness Trainer	On-The-Job Training/ Post-Secondary Education	\$17,630- \$66,530
Clergy	Master's Degree	\$22,440 - \$76,660
Social Worker	Bachelor's Degree	\$27,450 - \$72,980
Clinical Psychologist	Doctorate	\$39,020 - \$112,380

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

The human services field relates to family and human needs. The work environment could vary from public schools to private child-care centers to personal households. At times, people need assistance to live full and productive lives. People need assistance finding a job, locating safe and adequate housing or getting nutritious food for their families. Human Services help individuals and families become healthy and productive members of society. Assistance establishments provide services

that include helping the homeless, counseling troubled individuals, training the unemployed and helping families obtain aid. Individuals in this industry work to improve the lives of the people they serve and to enrich communities. The services provided vary greatly, depending on the local population and its needs. This pathway prepares students for careers in social service agencies, community and civic organizations, child care and charities.

## Pathfinders

PATHFINDER	AFFILIATION
Helen Boerner	Family Resource Center

## Student Resources

Family, Career &  
Community Leaders of  
America  
[www.fcclainc.org](http://www.fcclainc.org)



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Computer Support Specialist	Associate's Degree	\$34,930 - \$96,850
Network Administrator	Bachelor's Degree	\$44,330 - \$115,180
Software Developer	Bachelor's Degree	\$55,190 - \$138,880
Information System Manager	Bachelor's Degree	\$74,940 - \$187,200
Web Developer	Associate's Degree	\$33,550 - \$105,200

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

Information technology (IT) careers are available in every sector of the economy. IT manages the information and applications that office workers rely on to do their jobs. Careers in IT involve the design, development, support and management of hardware, software, multimedia and systems-integration services. The IT industry is a dynamic and entrepreneurial field continuing to have a revolutionary impact on the U.S. and world economies. IT specialists create products and set up and maintain systems. IT professionals focus on improving the usability and efficiency of technological systems and processes. Students in this pathway gain the basic foundation, skills and knowledge for computer networking, applications and support, along with an introduction to programming. Students develop skills to prepare for certification exams and learn to develop, support and integrate computing systems, and acquire network planning and management skills and the ability to provide technical support.

## Pathfinders

PATHFINDER	AFFILIATION
Jesse Bandré	EXCEED Technologies
Ken Dale	EXCEED Technologies

## Career Options

High School Diploma & Training	<ul style="list-style-type: none"> <li>• Cable Installer</li> <li>• Personal Computer Technician</li> <li>• Repair Assistant</li> </ul>
2+ Year Post-Secondary Education	<ul style="list-style-type: none"> <li>• Audio-Visual Installer</li> <li>• Web Developer</li> <li>• Programmer</li> <li>• Computer Support Specialist</li> <li>• Network Technician</li> </ul>
4-Year+ Degree	<ul style="list-style-type: none"> <li>• Information Systems Manager</li> <li>• Systems Engineer</li> <li>• Web Designer</li> <li>• Network Administrator</li> <li>• Software Developer</li> <li>• Network Analyst</li> </ul>

## Student Resources

Technology Student Association  
[www.tsaweb.org](http://www.tsaweb.org)

## Career Options

### High School Diploma & Training

- Security Guard
- Emergency Management Specialist
- Jailer
- Animal Control Worker
- Firefighter
- Fire Inspector
- Police Officer
- Dispatcher
- Bailiff
- Lifeguard
- Sheriff

### 2+ Year Post-Secondary Education

- Court Reporter
- Paralegal
- Parole Officer
- Immigration & Customs Inspector
- Mediator

### 4-Year+ Degree

- Crime Scene Technician
- Attorney
- Judge
- Park Ranger
- FBI Agent
- Loss Prevention Manager



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Police Officer	High School Diploma & Training	\$29,000 - \$110,000
Firefighter	High School Diploma	\$29,000 - \$45,000
FBI Agent	Bachelor's Degree	\$50,000 - \$140,000
Attorney	First Professional Degree	\$39,000 - \$110,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

The fields of law, public safety, corrections and security involve planning, managing, and providing legal, public safety, protective, and homeland security services and also include the professional and technical-support assistance of personnel within these fields. Careers in this field involve serving and/or protecting our citizens. Law, public safety,

corrections and security workers are found in a variety of settings. This pathway prepares students for careers in such areas as criminology, legal studies, forensics and psychology.

## Pathfinders

PATHFINDER	AFFILIATION
SSgt Justin Gonzalez	Columbus Air Force Base

## Student Resources

Family, Career & Community Leaders of America  
[www.fcclainc.org](http://www.fcclainc.org)  
 SkillsUSA  
[www.skillsusa.org](http://www.skillsusa.org)



## Career Options

### High School Diploma & Training

- Welder
- Painter
- Auto Body Tech
- Body Shop Manager
- Service Advisor
- Rigger
- Sheet Metal Worker
- Pipefitter
- Auto Salesperson

### 2+ Year Post-Secondary Education

- Precision Machinist
- Auto Mechanic
- Plant Supervisor
- Fabricator Mechanic

### 4-Year+ Degree

- Mechanical Engineer
- Chemical Engineer
- Production Engineer
- Electrical Engineer
- Quality Control Engineer

## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Assemblers & Fabricators	High School Diploma or Equivalent	\$31,850
Electrical Engineer	Bachelor's Degree	\$56,490 - \$136,690
Mechanical Engineer	Bachelor's Degree	\$52,030 - \$121,530
Body Shop Manager	High School Diploma/OJT	\$55,000 - \$100,000
Auto Body Tech	High School Diploma/OJT	\$36,000 - \$80,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

**M**anufacturing is one of the oldest industries in the technological world. Manufacturing industries are the chief wealth-producing sectors of an economy. Manufacturing employs a huge share of the labor force and produces materials required by

sectors of strategic importance, such as national infrastructure and defense. This pathway includes careers that manufacture products, maintain production facilities, and improve the production process.

## Pathfinders

### PATHFINDER AFFILIATION

Tony Willis | Toyota Motor Manufacturing Mississippi

Greg Giachelli | Community Development Foundation (CDF)

## Student Resources

**SkillsUSA**

[www.skillsusa.org](http://www.skillsusa.org)

**Get on the Grid Mississippi**

[www.getonthegridms.com](http://www.getonthegridms.com)



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Customer Service Representative	High School Diploma	\$19,500 - \$49,920
Retail Sales Manager	On-The-Job Training/ Post-Secondary Education	\$28,000 - \$62,000
Advertising Manager	Bachelor's Degree	\$43,270 - \$187,200

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

Advertisements in the newspaper, TV commercials, jingles on the radio, grocery store posters, bumper stickers, e-mail ads and Web sites are created as part of marketing campaigns to entice consumers to buy products. Marketing is the link between an organization and its target audience, which includes customers, clients, investors and partners. Marketers create, manage, enhance and sell products and services so that they reflect well on the company's brand. A key part of a marketer's job is to understand the needs, preferences and constraints that define the targeted consumers corresponding to the brand. This career pathway is a good fit for people who are creative or number-minded statisticians with the ability to communicate persuasively, to "think on their feet," to use tact, to employ good judgment and to establish and maintain effective relationships with people at all levels within and outside the company.

## Career Options

### High School Diploma & Training

- Telemarketer
- Customer Service Representative
- Order Clerk
- Product Demonstrator

### 2+ Year Post-Secondary Education

- Retail Sales Manager
- Sales Agent

### 4-Year+ Degree

- Event Planner
- Media Coordinator
- Marketing Consultant
- Media Buyer
- Advertising Manager
- Market Research Analyst

## Pathfinders

PATHFINDER	AFFILIATION
Sarah Isler	Mabus Agency

## Student Resources

**DECA**  
[www.deca.org](http://www.deca.org)



## Mississippi Industry Outlook

Occupation	Education Required	Annual Salary
Airport Manager	Bachelor's Degree	\$40,000 - \$150,000
Civil Engineer	Bachelor's Degree	\$87,780 - \$110,000
Commercial Pilot	On-the-Job Training/ Post-Secondary Education	\$77,560 - \$120,000
Auto Paint Technician	High School Diploma/OJT	\$36,000 - \$80,000
Crane Operator	High School Diploma/OJT	\$29,000 - \$79,000

Bureau of Labor Statistics Information, [www.bls.gov](http://www.bls.gov)

## Career Options

### High School Diploma & Training

- Truck & Ship Loader
- Ship Captain
- Railroad Conductor
- Crane Operator
- Air Traffic Controller
- Service Attendant

### 2+ Year Post-Secondary Education

- Commercial Pilot
- Operations Technician
- Flight Attendant
- Mechanic

### 4-Year+ Degree

- Airport Manager/  
Director
- Ship Engineer

**T**ransportation, distribution, and logistics (TDL) relates to how goods are moved from one place to another. As far as goods and services are concerned, our world is flat. TDL takes care of how we get Mississippi farm-raised catfish to Europe and how the latest Paris styles arrive in the United States. TDL industries need motivated people with new ideas to ensure the U.S. transportation system continues to work efficiently. This pathway includes the planning, management, and movement of people, materials, and products by road, air, rail, and water. It also includes related professional and technical services, such as infrastructure planning and management, logistics, and maintenance of equipment and facilities.

## Student Resources

**SkillsUSA**  
[www.skillsusa.org](http://www.skillsusa.org)

# Thank you to our sponsors

## Founding Sponsors



## Diamond Sponsors



## Gold Sponsors



## Silver Sponsors



## Bronze Sponsors



## Patron Sponsors

