



**CAREER**   
**DISCOVERY**

*Partners. Pathways. Pipelines.*

# 2021 Student Guide

*Virtual Career Exploration Expo*

Welcome to our 2021 Career Discovery Virtual Expo! We are excited to offer many opportunities to discover and explore as you think about and determine your future plans. There are many career options right here at home with our regional employers. It is never too early to begin career exploration. By attending the Virtual Career Expo and using the additional resources provided at [www.career-discovery.org](http://www.career-discovery.org), we hope to aid students in their personal career journey. We encourage you to research and explore all the careers that interest you as you move forward and determine how you will enter the workforce.

*The Central AlabamaWorks! Team*

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Do you excel in science, geography or biology? Would you like the chance to work outdoors? Do you enjoy gardening, hunting, fishing or working with animals? Are you environmentally minded and would like to manage natural resources?

### **WHAT IT TAKES:**

- Strong observation skills.
- Desire to solve practical problems.
- Willingness to work independently and as part of a team.
- Appreciation for natural resources, animals, and conservation issues.
- Ability to communicate verbally and visually.

### **CAREERS IN AGRICULTURE:**

#### **FARM EQUIPMENT MECHANIC OR SERVICE TECHNICIAN**

*Education:* High school diploma or equivalent

*Salary Range:* \$27,298 – \$42,273

#### **AGRICULTURAL EQUIPMENT OPERATORS**

*Education:* High school diploma or equivalent

*Salary Median:* \$35,871

#### **ENVIRONMENTAL ENGINEER**

*Education:* Bachelor's degree

*Salary Range:* \$49,723 – \$99,087

#### **BIOLOGICAL TECHNICIANS**

*Education:* Bachelor's degree

*Salary Median:* \$39,187

#### **FARMER, RANCHER, OR OTHER AG MGR OPERATORS**

*Education:* High school diploma or equivalent

*Salary Range:* \$65,244 – \$93,762

\* This is just a sampling of careers within this world. For a complete list of Region 5 Demand Occupations, visit [www.career-discovery.org/resources/](http://www.career-discovery.org/resources/).



Do you like building things or drawing? Are you creative? Do you like working outdoors? Do you like working with your hands and using tools?

**WHAT IT TAKES:**

- Be physically fit.
- Ability to follow directions, with a strong attention to detail.
- Innovation.
- Ability to communicate verbally and visually.
- Willingness to work hard and be a team player.

**CAREERS IN ARCHITECTURE AND CONSTRUCTION:**

**ELECTRICIAN**

*Education:* High school diploma or equivalent  
*Salary Range:* \$32,975 – \$53,545

**HEATING, AIR CONDITIONING & REFRIGERATION MECHANIC**

*Education:* Postsecondary non-degree award, license  
*Salary Range:* \$29,459 – \$45,285

**PLUMBER, PIPEFITTER, OR STEAMFITTER**

*Education:* High school diploma or equivalent  
*Salary Range:* \$30,453 – \$47,975

**OPERATING ENGINEER OR OTHER CONSTRUCTION EQUIPMENT OPERATOR**

*Education:* High school diploma or equivalent  
*Salary Range:* \$28,456 – \$43,456

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Do you like to gather information and analyze it? Are you able to accept criticism and use it as an improvement tool for yourself? Can you ask difficult questions and report only facts? Do you like working with computers, electronics or making videos?

### WHAT IT TAKES:

- Creativity.
- Self-motivation.
- Good written and verbal skills.
- Ability to adapt and react quickly.
- Ability to multi-task.

### CAREERS IN COMMUNICATION AND IT:

#### GRAPHIC DESIGNERS

*Education:* Bachelor's degree

*Salary Median:* \$40,605

#### NETWORK & COMPUTER SYSTEMS, ADMINISTRATORS

*Education:* Bachelor's Degree

*Salary Median:* \$71,549

#### PRODUCERS & DIRECTORS

*Education:* High school diploma

*Salary Median:* \$51,104

#### TRAINING & DEVELOPMENT SPECIALISTS

*Education:* Bachelor's degree

*Salary Median:* \$51,774

#### COMPUTER & INFORMATION SYSTEMS MANAGERS

*Education:* Bachelor's degree

*Salary Median:* \$111,865

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Do you enjoy school and learning? Do you like sharing information? Do you help others with schoolwork or studying? Is speaking to groups exciting for you?

**WHAT IT TAKES:**

- Resilience, dedication and a positive out-look.
- A love for working with people and sharing information.
- Strong academic and study skills.
- A confident personality.
- Self-motivation.

**CAREERS IN EDUCATION AND TRAINING:**

**SELF-ENRICHMENT EDUCATION TEACHER**

*Education:* High school diploma or equivalent  
*Salary Range:* \$18,076 – \$47,490

**ELEMENTARY SCHOOL TEACHER**

*Education:* Bachelor's degree and License/Certification  
*Salary Range:* \$41,724 – \$55,499

**MIDDLE SCHOOL TEACHER**

*Education:* Bachelor's degree and License/Certification  
*Salary Range:* \$41,437 – \$54,383

**SECONDARY SCHOOL TEACHER**

*Education:* Bachelor's degree and License/Certification  
*Salary Range:* \$41,335 – \$56,083

**EDUCATION ADMINISTRATOR**

*Education:* Master's degree  
*Salary Range:* \$64,520 – \$91,348

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Are you able to relate to different types of people? Are you quick on your feet? Are you able to recognize new ways to solve problems? Do you like working in a high-paced, exciting atmosphere?

### **WHAT IT TAKES:**

- A positive attitude and adaptability.
- Cooperation, diplomacy and tact.
- Ability to multi-task and good organizational skills.
- A strong work ethic and competitive nature.
- Willingness to work hard and be a team player.

### **CAREERS IN HOSPITALITY AND TOURISM:**

#### **LINE COOK, RESTAURANT**

*Education:* No formal educational credential

*Salary Range:* \$17,640 – \$24,022

#### **CHEF & HEAD COOK**

*Education:* High school diploma

*Salary Range:* \$36,885 - \$41,661

#### **LODGING MANAGERS**

*Education:* High school diploma

*Salary Range:* \$45,00 - \$55,261

#### **TOUR & TRAVEL GUIDES**

*Education:* High school diploma

*Salary Range:* \$21,654 - \$31,918

#### **SUPERVISORS OF HOUSEKEEPING & JANITORIAL**

*Education:* High school diploma

*Salary Range:* \$22,367 - \$37,397

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Do you like to work with your hands? Do you enjoy making things, using hand tools or power tools? Are you a fast learner and willing to learn on the job? Are you able to visualize how individual jobs impact a greater goal?

### **WHAT IT TAKES:**

- Technical aptitude.
- Willingness to work hard and be a team player.
- Ability to follow directions and safety precautions.
- Ability to use computers, tools and machinery.
- Reliability and honesty.

### **CAREERS IN MANUFACTURING:**

#### **INDUSTRIAL MACHINERY MECHANIC**

*Education:* High school diploma or equivalent

*Salary Range:* \$35,380 – \$61,244

#### **MACHINIST**

*Education:* High school diploma or equivalent

*Salary Range:* \$27,415 – \$48,284

#### **WELDER, CUTTER, SOLDERER, OR BRAZER**

*Education:* High school diploma or equivalent

*Salary Range:* \$27,062 – \$44,120

#### **PRODUCTION, PLANNING, OR EXPEDITING CLERK**

*Education:* High school diploma or equivalent

*Salary Median:* \$31,748

#### **ENGINE OR OTHER MACHINE ASSEMBLER**

*Education:* High school diploma or equivalent

*Salary Range:* \$27,042 – \$45,042

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Are you interested in how the human body works? Are you good at studying and analyzing information? Would you like to look under a microscope? Is science a favorite subject?

### **WHAT IT TAKES:**

- Compassion for helping others.
- Strong science, math and computer skills.
- Personal dedication and determination.
- Ability to work on a team.
- Willingness to be a life-long learner.

### **CAREERS IN HEALTHCARE:**

#### **PHYSICAL THERAPIST**

*Education:* Doctoral or professional degree & License

*Salary Range:* \$63,754 – \$102,170

#### **PHYSICAL THERAPIST ASSISTANT**

*Education:* Associate's degree & License

*Salary Range:* \$41,735 – \$61,028

#### **NURSE PRACTITIONER**

*Education:* Master's degree & License

*Salary Range:* \$66,703 – \$110,783

#### **REGISTERED NURSE**

*Education:* Bachelor's degree & License

*Salary Range:* \$44,223 – \$65,290

#### **MEDICAL ASSISTANT**

*Education:* Postsecondary non-degree award

*Salary Range:* \$21,330 – \$31,028

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Do you have strong values and moral character? Do you work well with others? Do you have the desire to keep your community and country safe? Are you dependable?

### **WHAT IT TAKES:**

- Integrity.
- Mental and physical stamina.
- Loyalty to country & community.
- Willingness to work as part of a team.
- Ability to follow a strict set of rules.

### **CAREERS IN PUBLIC SERVICE:**

#### **POLICE OR SHERIFF'S PATROL OFFICER**

*Education:* High school diploma or equivalent and License  
*Salary Range:* \$30,571 – \$50,820

#### **LAWYER**

*Education:* Doctoral or professional degree and Licenses  
*Salary Range:* \$58,735 – \$147,017

#### **PARALEGAL OR LEGAL ASSISTANT**

*Education:* Associate's degree  
*Salary Range:* \$30,428 – \$53,041

#### **FIREFIGHTER**

*Education:* Postsecondary non-degree award and Licenses  
*Salary Range:* \$27,692 – \$48,180

#### **DETECTIVE OR CRIMINAL INVESTIGATOR**

*Education:* High school diploma or equivalent  
*Salary Range:* \$36,569 – \$76,162

#### **POLICE, FIRE, OR AMBULANCE DISPATCHER**

*Education:* High school diploma or equivalent  
*Salary Range:* \$24,237 – \$38,672

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Do you like to travel? Are you able to imagine how things would fit together? Are you good at organizing time and information? Are you self-motivated to do a good job?

### **WHAT IT TAKES:**

- Attention to detail.
- Ability to work with customers at all levels.
- Good special reference.
- High level of organization.
- Ability to problem solve & negotiate.

## **CAREERS IN TRANSPORTATION, DISTRIBUTION AND LOGISTICS:**

### **AIRCRAFT MECHANIC OR SERVICE TECHNICIAN**

*Education:* Postsecondary non-degree award and License

*Salary Range:* \$47,630 – \$74,488

### **HEAVY AND TRACTOR-TRAILER TRUCK DRIVERS**

*Education:* Postsecondary non-degree award and License

*Salary Median:* \$38,427

### **AVIONIC TECHNICIAN**

*Education:* Associate's degree

*Salary Range:* \$47,303 – \$71,159

### **COMMERCIAL PILOT**

*Education:* High school diploma or equivalent

*Salary Range:* \$58,535 – \$104,432

### **BUS & TRUCK MECHANIC AND DIESEL ENGINE SPECIALIST**

*Education:* High school diploma or equivalent

*Salary Range:* \$29,244 – \$46,637

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Do you enjoy working with your hands? Would you like the chance to work outdoors? Do you want to be a positive force within your community? Do you like to solve practical problems and develop real world solutions?

### WHAT IT TAKES:

- Be physically fit.
- Be always safety conscious.
- Mechanical, technical and analytical thinking.
- Willingness to work independently and as part of a team.
- Attention to detail.

### CAREERS IN ENERGY AND UTILITIES:

#### INDUSTRIAL ENGINEERING TECHNICIAN

*Education:* Associate's degree

*Salary Range:* \$40,382 – \$69,970

#### CIVIL ENGINEER

*Education:* Bachelor's degree and License

*Salary Range:* \$51,853 – \$93,659

#### WATER & WASTEWATER TREATMENT PLANT AND SYSTEM OPERATOR

*Education:* High school diploma or equivalent and License

*Salary Range:* \$33,370 – \$51,629

#### ENVIRONMENTAL ENGINEERING TECHNICIAN

*Education:* Associate's degree

*Salary Range:* \$36,153 – \$68,547

#### ELECTRICAL POWER-LINE INSTALLER AND REPAIRER

*Education:* High school diploma or equivalent

*Salary Median:* \$81,000

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# TITLE



# PLATINUM



# GOLD

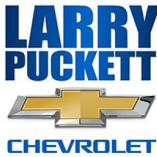
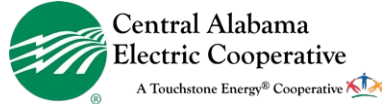


# SILVER



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# BRONZE



THANK YOU TO OUR 2021 SPONSORS

**ALABAMA STATE UNIVERSITY**

[www.alasu.edu](http://www.alasu.edu)

**AUBURN UNIVERSITY**

[www.auburn.edu](http://www.auburn.edu)

**AUBURN UNIVERSITY AT MONTGOMERY**

[www.aum.edu](http://www.aum.edu)

**CENTRAL ALABAMA COMMUNITY COLLEGE**

[www.cacc.edu](http://www.cacc.edu)

**HUNTINGDON COLLEGE**

[www.huntingdon.edu](http://www.huntingdon.edu)

**INGRAM STATE TECHNICAL COLLEGE**

[www.istc.edu](http://www.istc.edu)

**JUDSON COLLEGE**

[www.judson.edu](http://www.judson.edu)

**MARION MILITARY INSTITUTE**

[www.marionmilitary.edu](http://www.marionmilitary.edu)

**TRENHOLM STATE COMMUNITY COLLEGE**

[www.trenholmstate.edu](http://www.trenholmstate.edu)

**TROY UNIVERSITY**

[www.troy.edu](http://www.troy.edu)

**CHATTAHOOCHEE VALLEY COMMUNITY COLLEGE**

[www.cv.edu](http://www.cv.edu)

**FAULKNER UNIVERSITY**

[www.faulkner.edu](http://www.faulkner.edu)

**SOUTHERN UNION STATE COMMUNITY COLLEGE**

[www.suscc.edu](http://www.suscc.edu)

**TUSKEGEE UNIVERSITY**

[www.tuskegee.edu](http://www.tuskegee.edu)

**WALLACE STATE COMMUNITY COLLEGE (SELMA)**

[www.wccs.edu](http://www.wccs.edu)



# CAREER DISCOVERY

*Partners. Pathways. Pipelines.*

Central AlabamaWorks! Career Discovery gives parents and students the tools and opportunity to explore career options and pathways. We are connecting students with employers who can provide on-the-job insight and advice when it comes to choosing a pathway. For parents and guardians, Career Discovery is your “go-to” tool when helping your student envision their career pathway. Career Discovery is your resource in choosing courses to plan your pathway to success!

[www.career-discovery.org](http://www.career-discovery.org)