



ALABAMA CAREER AND TECHNICAL EDUCATION

IMPACT REPORT 2020-2021





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CTE BY THE NUMBERS



189,608

unique CTE students
in Grades 9-12



633

CTE courses being taken



87.67%

of Alabama High School
students currently enrolled
in at least one CTE class

74.98%

of Secondary CTE students had positive placement outcomes one year after graduation including: military enlistment, employment, advanced technical training, and post-secondary enrollment.

ALABAMA'S SECONDARY CTE PROGRAMS OFFER UNPARALLELED **SCALE** OF IMPACT AND **SCOPE** OF REACH.



150+ ENDORSED CREDENTIALS

PORTABLE • STACKABLE • TRANSFERABLE

THIRD-PARTY INDUSTRY RECOGNIZED DRIVEN BY EMPLOYERS

2015 - 14,522 Credentials Earned
 2016 - 18,806 Credentials Earned
 2017 - 24,424 Credentials Earned
 2018 - 28,461 Credentials Earned
 2019 - 31,933 Credentials Earned
 2020 - 22,249 Credentials Earned



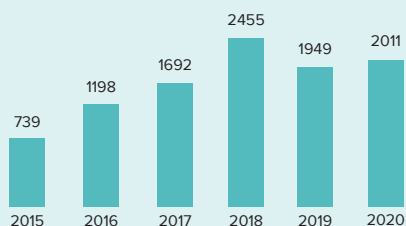
HIGH-WAGE, HIGH-DEMAND INDUSTRIES

Numbers represent all 16 Career Clusters®



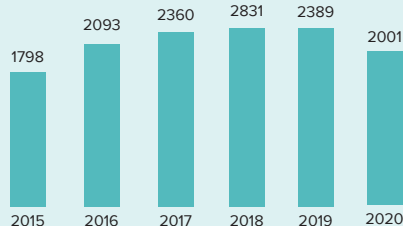
HEALTH SCIENCE

Including CNA, CPCT, EKG



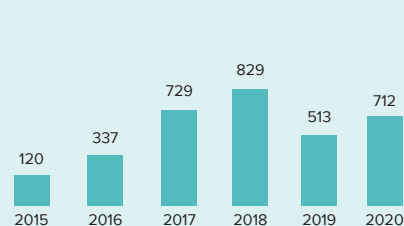
CONSTRUCTION TRADES

Including Welding, HVAC, Electrical, and Carpentry



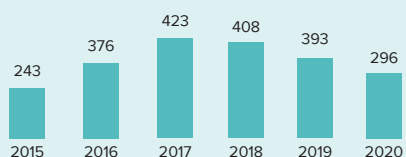
INFORMATION TECHNOLOGY

Including Microsoft MTA, CompTIA, PC Pro, Security Pro, C-TECH



MANUFACTURING

Including NIMS, AC/DC, NCCER MECH, NCCER ELECTRICAL



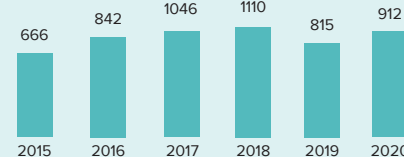
STEM

Including AutoCAD, Revit, Solid Edge, SOLIDWORKS, Autodesk Inventor



TRANSPORTATION

Including ASE Maintenance & Repair, ASE Diesel, ICAR, Briggs & Stratton



ALABAMA'S SECONDARY CTE CREDENTIALING GRANT PROCESS PROVIDES EQUITY AND ACCESS THAT IS THE ENVY OF OTHER STATE CTE PROGRAMS.

CURRICULUM

STEM IS CTE. CTE IS STEM.

STEM IS TAUGHT BEST IN HANDS-ON ENVIRONMENTS.

THIS IS A SMALL SAMPLING OF CTE COURSES WITH HIGH LEVEL STEM CONTENT.

Advanced Cyber Forensics

PLTW Automation and Robotics

PLTW Middle School Gateway

Digital Electronics

Game Design

Maritime Engineering

PLTW Biomedical Innovations

AP Computer Science

Software Development

Fundamentals of Aerospace Tech

Kinesiology and Biomechanics

Medical Terminology

Aquatic Biology

CAD & Computer-Aided Manufacturing

AP Computer Science Principles

Energy and Power Foundations

Architectural Design

Plant Biotechnology

TECHNICAL DUAL ENROLLMENT

405 Courses
8,478 Students

JROTC

4 Branches
109 Programs
11,931 Students

177 CTE COURSES

Articulate directly to college
credit in 32 programs of
study in Alabama
Community Colleges

JOBS FOR ALABAMA'S GRADUATES (JAG)

30 Programs
100% Grad Rate
77% Full-time Jobs



SECONDARY CTE PROGRAMS UTILIZE **NATIONAL STANDARDS-BASED** CURRICULA DELIVERED BY **WELL-TRAINED TEACHERS** TO PROVIDE A MEASURABLE IMPACT.

WORKFORCE INITIATIVES

SIMULATED WORKPLACE

56 CTE centers trained through partnership with SREB and CTE. Alabama CTE has adopted a “Statewide strategy for offering simulated workplace experiences...”

US DEPT OF ED INSTRUCTIONAL APPROACHES AND NOTEWORTHY PRACTICES, AUGUST 2017

51 SCHOOLS | 35 SYSTEMS

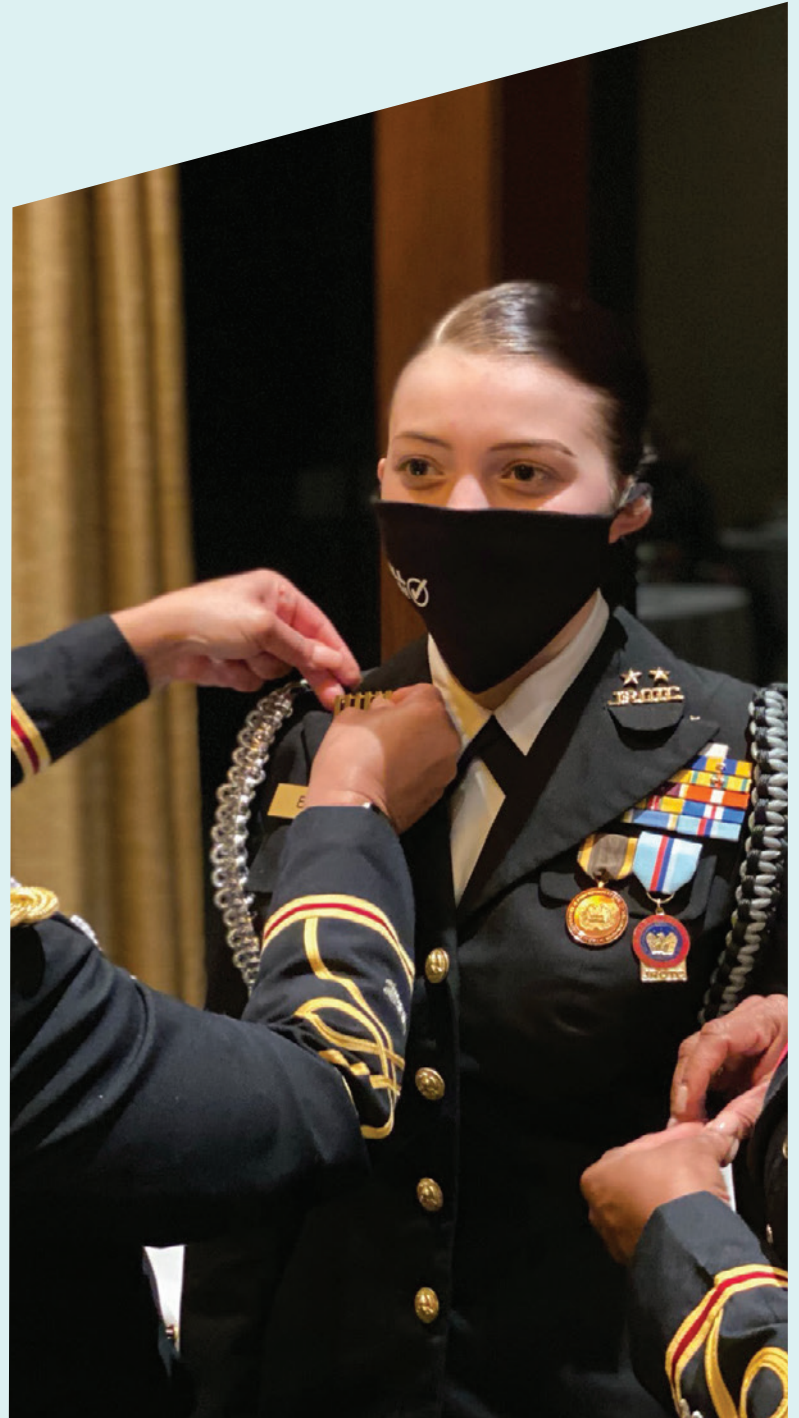
Providing Ready To Work employability certification through partnership with AIDT.

CAREER COACH INITIATIVE

- 103** Career coaches
- 2,493** Job shadowing events
- 1,136** Industry speakers
- 23,143** College applications
- 49,830** One-on-one student contacts

WORK-BASED LEARNING

- 8,752** Students participating
- \$40.6** Million earned
- \$284** Million economic impact



ALABAMA'S SECONDARY CTE PROGRAMS OFFER EMPLOYERS
INNOVATIVE INITIATIVES AND INTEGRATED PARTNERSHIPS.

JLDC ATTENDEE SNAPSHOT

ATTENDANCE BY ORGANIZATION

DECA	4.78%
FBLA	17.28%
FCCLA	14.34%
FFA	9.93%
HOSA	12.50%
JAG	10.29%
JROTC	14.71%
SkillsUSA	12.13%
TSA	4.04%



NUMBER OF JLDCs ATTENDED

1 YEAR	10.99%
2-3 YEARS	18.32%
4-9 YEARS	35.90%
10-19 YEARS	21.61%
20+ YEARS	13.19%



NUMBER OF YEARS SERVING AS A CTSO ADVISOR

ONE	54.58%
TWO	23.81%
THREE	10.99%
FOUR+	10.62%

AVERAGE ADVISORS PER CHAPTER: 1.78



JLDC BY THE NUMBERS

15,000 CTSO MEMBERSHIP ACCESS

78 SCHOOL SYSTEMS

151 SCHOOLS

32,000 CTE STUDENT ENROLLMENT ACCESS

9 CTE + CTSO ORGANIZATIONS

260 CTSO CHAPTERS

470 CTE TEACHERS

CLASSROOM CONNECTION

JLDC reinforced essential 21st Century Skills, including:



**CREATIVITY +
INNOVATION**



**COMMUNICATION +
COLLABORATION**



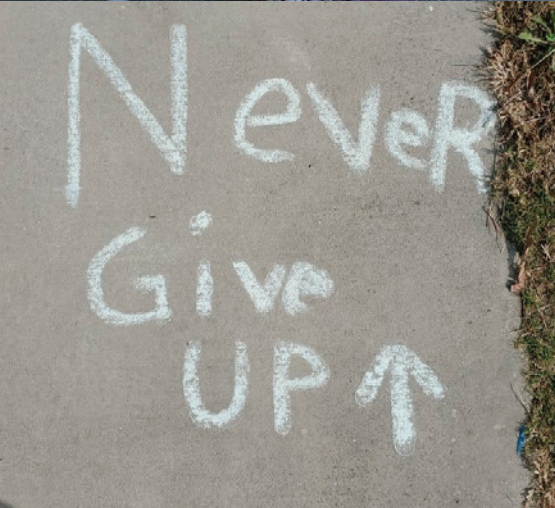
**INITIATIVE +
SELF-DIRECTION**



**SOCIAL + CROSS-
CULTURAL SKILLS**



**LEADERSHIP +
RESPONSIBILITY**



REACHING THE STATE

REGIONAL WORKFORCE COUNCILS

68 CTE CENTERS DISTRIBUTED THROUGHOUT THE STATE WITH PROGRAMS
DRIVEN BY LOCAL WORKFORCE DEMANDS.

1. North

2. East

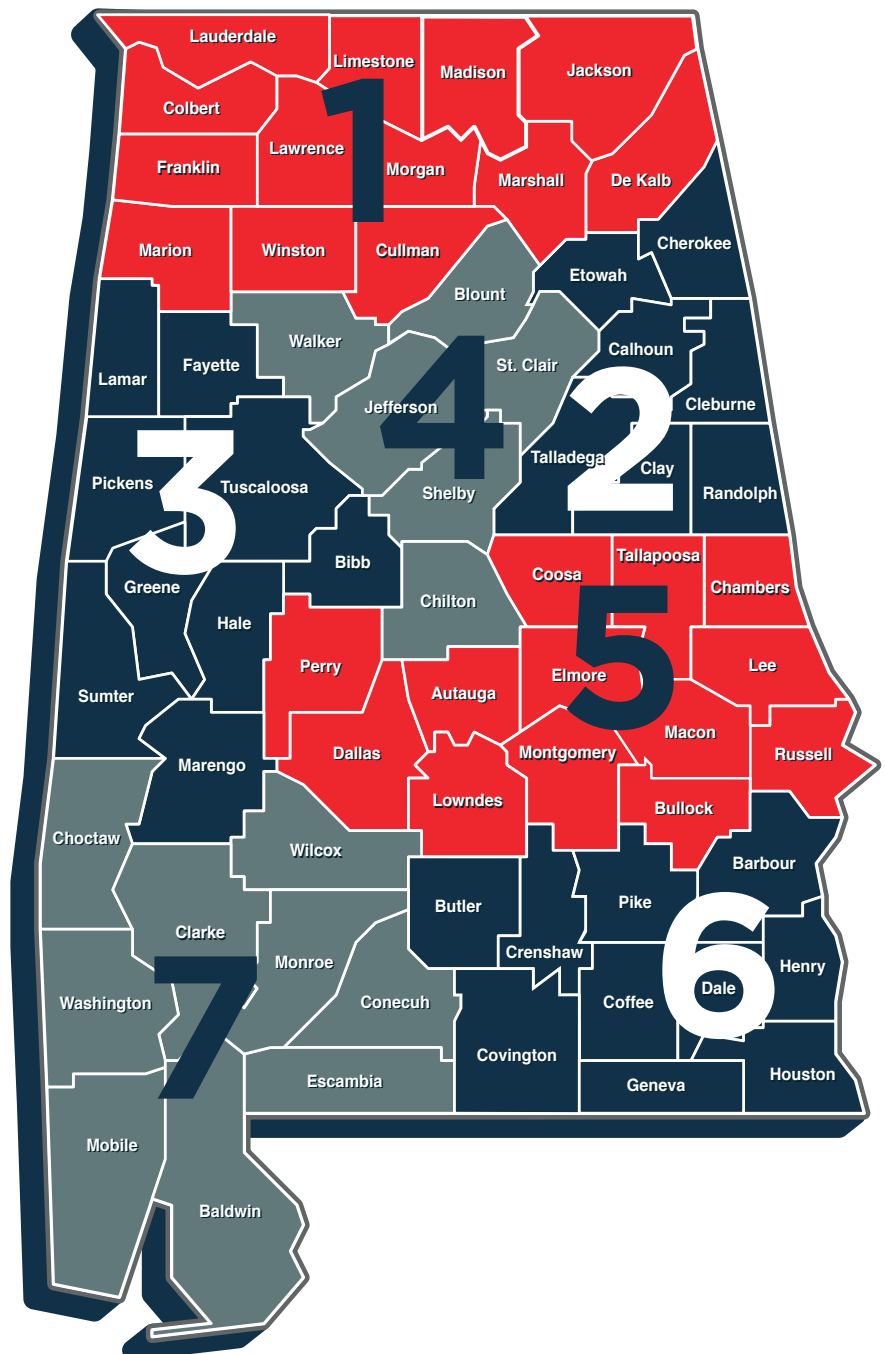
3. West

4. Central Six

5. Central

6. Southeast



7. SAWDC



ALABAMA'S SECONDARY CTE PROGRAMS OFFER UNPARALLELED **SCALE** OF IMPACT AND **SCOPE** OF REACH.

JROTC



Developing character, student achievement, wellness, leadership, and diversity.

 **Membership:** 18,970
 **Programs:** 109





FCCLA - Family, Career & Community Leaders of America

Cluster areas: Family and Consumer Sciences; Education and Training; Hospitality and Tourism; Human Services
FCCLA offers intra-curricular resources and opportunities for students to pursue careers that support families. Members develop skills for life through: character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation.

 **Membership:** 6,301
 **Chapters:** 268

FCCLA



SkillsUSA

Technical, Skilled, Engineering, and Industrial Education
 **Membership:** 8,082
 **Sections:** 399



FBLA - Future Business Leaders of America



FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences. FBLA focuses on leadership development, academic competitions, community service, and essential skills.

 **Membership:** 5,750
 **Chapters:** 233



HOSA - Future Health Professionals



Health Science Education

 **Membership:** 6,688
 **Chapters:** 171 (8 middle school, 5 post-secondary, 158 secondary)



FFA



FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

 **Membership:** 13,048
 **Chapters:** 272



DECA – Emerging Leaders & Entrepreneurs



Entrepreneurship, Marketing, Management, Finance, and Hospitality Education

 **Membership:** 1,540
 **Chapters:** 77



JAG – Jobs for Alabama's Graduates



Assisting students in overcoming barriers to graduation and employment.

 **Membership:** 1,306
 **Program Count:** 30 (47 High Schools)



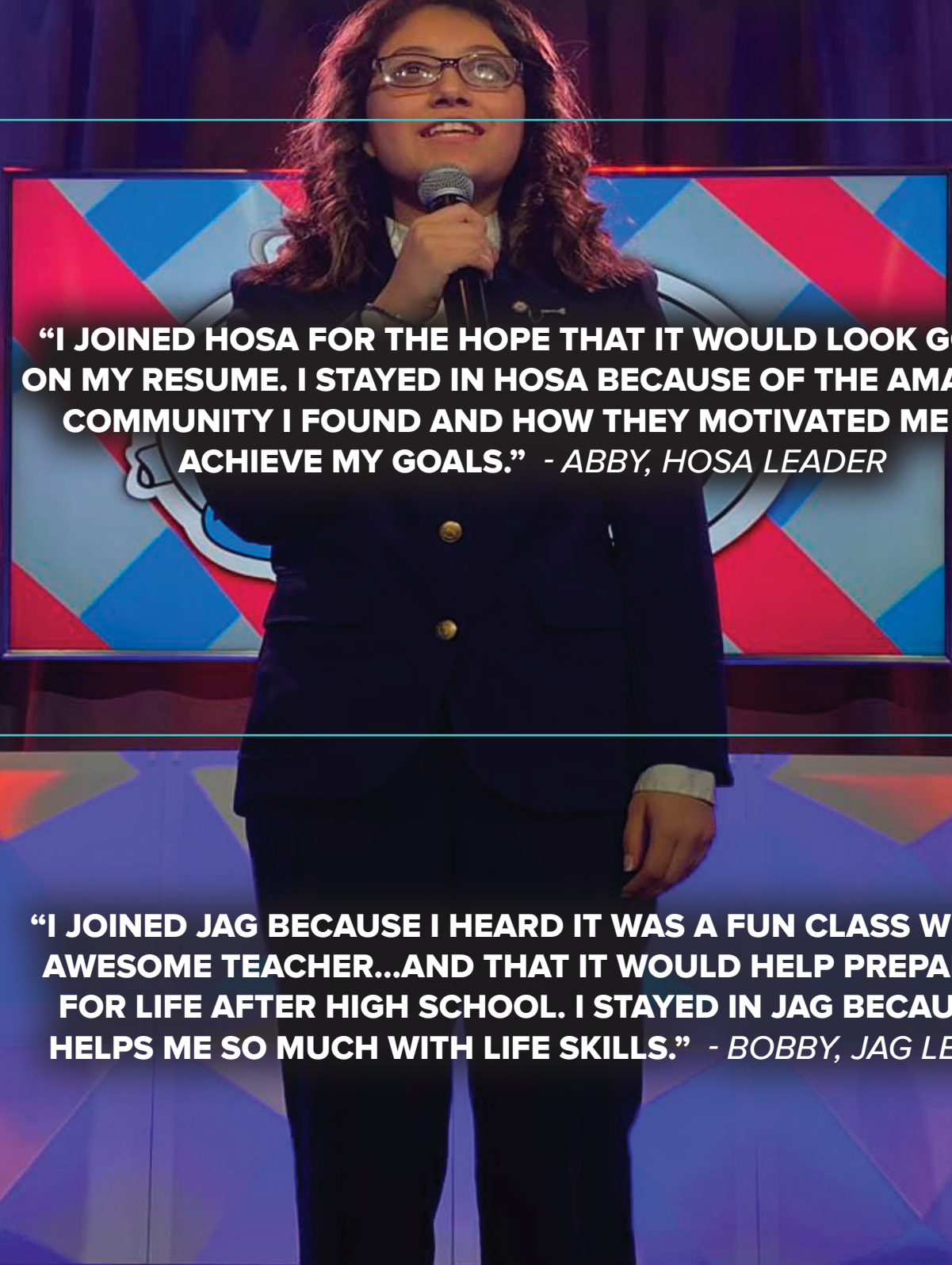
TSA

Science, Technology, Engineering, and Mathematics

 **Membership:** 3,183
 **Chapters:** 98



"I JOINED FCCLA FOR THE INCLUSIVE EXPERIENCE IT HAD TO OFFER. I STAYED IN FCCLA BECAUSE I ADMIRE THE DEDICATION OF MEMBERS AND DISCOVERING VARIOUS COMPETITIVE EVENTS." - ALEECE, FCCLA LEADER



"I JOINED HOSA FOR THE HOPE THAT IT WOULD LOOK GOOD ON MY RESUME. I STAYED IN HOSA BECAUSE OF THE AMAZING COMMUNITY I FOUND AND HOW THEY MOTIVATED ME TO ACHIEVE MY GOALS." - ABBY, HOSA LEADER

"I JOINED JAG BECAUSE I HEARD IT WAS A FUN CLASS WITH AN AWESOME TEACHER...AND THAT IT WOULD HELP PREPARE ME FOR LIFE AFTER HIGH SCHOOL. I STAYED IN JAG BECAUSE IT HELPS ME SO MUCH WITH LIFE SKILLS." - BOBBY, JAG LEADER

COMMUNITY SERVICE

- March of Dimes
- Muscular Dystrophy Association
- American Cancer Society
- National Alliance on Mental Illness



TECHNICAL SKILLS



PERSONAL SKILLS

WORKPLACE SKILLS

TECHNICAL SKILLS

Technology
Literacy
Job-specific skills
Service Orientation
Safety and health

PERSONAL SKILLS

Integrity
Adaptability
Work ethic
Flexibility
Professionalism
Responsibility

WORKPLACE SKILLS

Communication
Leadership
Decision making
Resilience
Teamwork
Goal setting

CTSOs ENHANCE WORKPLACE SKILLS, PERSONAL SKILLS,
AND TECHNICAL SKILLS GROUNDED IN ACADEMICS.

DATA SOURCES

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- Unique student counts, number of CTE courses taken, and percent of students enrolled in CTE were pulled from the ALSDE AIM system Student Data Application for 2019-2020 school year.
- Positive Placement data comes from LEA reported findings in the placement review for CTE students departing secondary education in the 2018-2019 school year when those students were located in the spring of 2020.
- Work hours calculations come from the 2019-2020 Wage and Hour Reports submitted by LEAs through the Work-Based Learning Program.

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- List of recognized credentials can be found in the Director's Resource folder in Schoology.
- Credential count data are based on the number earned in the academic year and not sorted by cohort. Data comes from the ALSDE AIM system Student Data Application.

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- Selected courses represent a generally random sampling of STEM content CTE courses in which students are enrolled in the 2019-2020 school year.
- Dual enrollment counts are from the 2019-2020 school year and based on students enrolled in courses coded as dual enrollment with the Alabama Community College System and identified as CTE content.
- JROTC data comes from a survey of enrollment pulled from the ALSDE AIM system Student Data Application for 2019-2020 school year and programs reported through local program applications.
- Articulation course counts are from the "Statewide Articulation for Career and Technical Education Courses Memorandum of Agreement" for the 2019-2020 school year. It may be found at www.accs.edu.
- Jobs for Alabama's Graduates performance data is available at www.alabamajag.org.

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- The Alabama Simulated Workplace Manual may be found at <https://www.alabamaachieves.org/wp-content/uploads/2021/05/2019-Simulated-Workplace-Manual-Reduced-File-Size.pdf>. Simulated Workplace reference source may be found at <https://eric.ed.gov/?id=ED583035>.
- Student participation, earnings, and economic impact data calculations come from the 2019-2020 Wage and Hour Reports submitted by LEAs through the Work-Based Learning Program.
- Information describing the Ready to Work program may be found at <https://alabamareadytowork.org/>. A map of systems participating in Ready to Work is available upon request from comm@alsde.edu.
- Career Coach data is reported monthly by local career coaches. Referenced data come from the 2019-2020 annual summary and is available upon request from comm@alsde.edu.
- Information about student participation in Regional Workforce Council organized career expos comes from annual reporting metrics submitted by regions to the Alabama Department of Commerce.
- Joint Leadership Development Conference information may be found at <https://alabamajldc.org/>.

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- Information about the Regional Workforce Councils and the AlabamaWorks! System can be found at <https://alabamaworks.com/>.

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- Alabama CTSO memberships are for the 2020-2021 school year.



Dr. Eric G. Mackey

State Superintendent of Education

State School Board Secretary
and Executive Officer

Mrs. Angela Martin

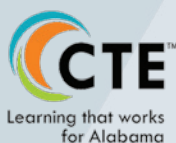
Deputy State Superintendent of Education

Division of Instruction

Dr. Jimmy Hull

Assistant State Superintendent of Education

Career and Technical Education/Workforce
Development/Counseling and Guidance



WWW.ALSDE.EDU