<table>
<thead>
<tr>
<th>Page</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CTE by the Numbers</td>
</tr>
<tr>
<td>5</td>
<td>Credentials</td>
</tr>
<tr>
<td>6</td>
<td>Curriculum</td>
</tr>
<tr>
<td>7</td>
<td>Workforce Initiatives</td>
</tr>
<tr>
<td>8</td>
<td>Joint Leadership Development Conference</td>
</tr>
<tr>
<td>10</td>
<td>Reaching the State</td>
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<tr>
<td>11</td>
<td>Statistics by Organization</td>
</tr>
<tr>
<td>13</td>
<td>Impact of CTSOs</td>
</tr>
<tr>
<td>14</td>
<td>Data Sources</td>
</tr>
</tbody>
</table>
CTE BY THE NUMBERS

ALABAMA CTE PROGRAMS BY CAREER CLUSTER

<table>
<thead>
<tr>
<th>Cluster</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture, Food &amp; Natural Resources</td>
<td>412</td>
</tr>
<tr>
<td>Architecture &amp; Construction</td>
<td>232</td>
</tr>
<tr>
<td>Arts, Audio/Video Technology &amp; Communications</td>
<td>67</td>
</tr>
<tr>
<td>Business Management &amp; Administration</td>
<td>358</td>
</tr>
<tr>
<td>Education &amp; Training</td>
<td>65</td>
</tr>
<tr>
<td>Finance</td>
<td>79</td>
</tr>
<tr>
<td>Government &amp; Public Administration</td>
<td>109</td>
</tr>
<tr>
<td>Health Science</td>
<td>198</td>
</tr>
<tr>
<td>Hospitality &amp; Tourism</td>
<td>71</td>
</tr>
<tr>
<td>Human Services</td>
<td>488</td>
</tr>
<tr>
<td>Information Technology</td>
<td>83</td>
</tr>
<tr>
<td>Law, Public Safety, Corrections &amp; Security</td>
<td>62</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>62</td>
</tr>
<tr>
<td>Marketing</td>
<td>85</td>
</tr>
<tr>
<td>Science, Technology, Engineering &amp; Mathematics</td>
<td>211</td>
</tr>
<tr>
<td>Transportation, Distribution &amp; Logistics</td>
<td>102</td>
</tr>
<tr>
<td>Total, All Occupations</td>
<td>2684</td>
</tr>
</tbody>
</table>

173,165 unique CTE students in Grades 9-12

556 courses being taken

81.9% of Alabama High School students currently enrolled in at least one CTE class

5,018,000 paid work hours and internships on the job in 2019.

69% 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.
ALABAMA'S SECONDARY CTE CREDENTIALING GRANT PROCESS PROVIDES EQUITY AND ACCESS THAT IS THE ENVY OF OTHER STATE CTE PROGRAMS.
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**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>409</td>
<td>8,375</td>
</tr>
</tbody>
</table>

**JROTC**

<table>
<thead>
<tr>
<th>Branches</th>
<th>Programs</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>109</td>
<td>15,237</td>
</tr>
</tbody>
</table>

**177 CTE COURSES**

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

**JOBS FOR ALABAMA’S GRADUATES (JAG)**

<table>
<thead>
<tr>
<th>Programs</th>
<th>Grad Rate</th>
<th>Full-time Jobs</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>100%</td>
<td>93%</td>
</tr>
</tbody>
</table>

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

34 SYSTEMS
Providing Ready To Work employability certification through partnership with AIDT.

CAREER COACH INITIATIVE
- 94 Career coaches
- 691 Job shadowing events
- 2,496 Industry speakers
- 31,037 College applications
- 61,345 One-on-one student contacts

WORK-BASED LEARNING
- 9,345 Students participating
- $37.7 Million earned
- $264 Million economic impact

MANUFACTURING SKILLS STANDARDS COUNCIL
Major employers providing preferred hiring for CTE students.

REGIONAL WORKFORCE COUNCIL CAREER EXPOS
36,964 students engaged employers in 7 WFD regions to create awareness of career options.

CTS O NATIONAL LEADERSHIP

CONGRATULATIONS TO THE FOLLOWING CTSO NATIONAL OFFICERS FROM ALABAMA

Jordan Stowe | FFA Southern Region Vice President
Fanny Emeterio Ontiveros | HOSA Central Region Vice President
Taytum McGill | SkillsUSA Postsecondary/Collegiate Parliamentarian

TELL YOUR STORY VIDEO CHALLENGE

1st Place Grand Prize Winner: South Baldwin Center for Technology SkillsUSA Cosmetology Program
2nd Place: South Baldwin Center for Technology SkillsUSA Culinary Program
3rd Place: Escambia Career Readiness Center JAG

ALABAMA’S SECONDARY CTE PROGRAMS OFFER EMPLOYERS INNOVATIVE INITIATIVES AND INTEGRATED PARTNERSHIPS.
JLDC ATTENDEE SNAPSHOT

ATTENDANCE BY ORGANIZATION

<table>
<thead>
<tr>
<th>Organization</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECA</td>
<td>4.00%</td>
</tr>
<tr>
<td>FBLA</td>
<td>22.15%</td>
</tr>
<tr>
<td>FCCLA</td>
<td>12.58%</td>
</tr>
<tr>
<td>FFA</td>
<td>8.36%</td>
</tr>
<tr>
<td>HOSA</td>
<td>9.53%</td>
</tr>
<tr>
<td>JAG</td>
<td>7.70%</td>
</tr>
<tr>
<td>JROTC</td>
<td>14.32%</td>
</tr>
<tr>
<td>SkillsUSA</td>
<td>14.00%</td>
</tr>
<tr>
<td>TSA</td>
<td>4.41%</td>
</tr>
<tr>
<td>Other</td>
<td>1.96%</td>
</tr>
</tbody>
</table>

ATTENDANCE BY GRADE LEVEL

<table>
<thead>
<tr>
<th>Grade</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior</td>
<td>29.51%</td>
</tr>
<tr>
<td>Junior</td>
<td>27.62%</td>
</tr>
<tr>
<td>Sophomore</td>
<td>19.50%</td>
</tr>
<tr>
<td>Freshman</td>
<td>10.85%</td>
</tr>
<tr>
<td>8th Grade</td>
<td>6.70%</td>
</tr>
<tr>
<td>7th Grade</td>
<td>4.79%</td>
</tr>
<tr>
<td>6th Grade</td>
<td>0.95%</td>
</tr>
<tr>
<td>5th Grade</td>
<td>0.09%</td>
</tr>
<tr>
<td>4th Grade</td>
<td>12.13%</td>
</tr>
</tbody>
</table>

YEARS OF CTSO MEMBERSHIP

<table>
<thead>
<tr>
<th>Years</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Years</td>
<td>0.62%</td>
</tr>
<tr>
<td>4 Years</td>
<td>5.79%</td>
</tr>
<tr>
<td>3 Years</td>
<td>14.13%</td>
</tr>
<tr>
<td>2 Years</td>
<td>4.69%</td>
</tr>
<tr>
<td>1 Year</td>
<td>42.63%</td>
</tr>
</tbody>
</table>

NUMBER OF JLDCs ATTENDED

<table>
<thead>
<tr>
<th>Year</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>68.21%</td>
</tr>
<tr>
<td>Second</td>
<td>16.09%</td>
</tr>
<tr>
<td>Third</td>
<td>4.00%</td>
</tr>
<tr>
<td>Fourth</td>
<td>1.38%</td>
</tr>
<tr>
<td>Fifth+</td>
<td>2.85%</td>
</tr>
</tbody>
</table>

JLDC BY THE NUMBERS

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>4,849</td>
</tr>
<tr>
<td>Educators and Parents</td>
<td>660</td>
</tr>
<tr>
<td>CTE + CTSO Chapters</td>
<td>581</td>
</tr>
<tr>
<td>CTE + CTSO Organizations</td>
<td>9</td>
</tr>
<tr>
<td>Administrators, Counselors, and Career Coaches</td>
<td>17</td>
</tr>
<tr>
<td>Career Clusters®</td>
<td>16</td>
</tr>
<tr>
<td>Motivators, Communicators, and Entertainers</td>
<td>5</td>
</tr>
</tbody>
</table>
REACHING THE STATE

REGIONAL WORKFORCE COUNCILS

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

1 NORTH ALABAMAWORKS!
2 EAST ALABAMAWORKS!
3 WEST ALABAMAWORKS!
4 CENTRAL SIX ALABAMAWORKS!
5 CENTRAL ALABAMAWORKS!
6 SOUTHEAST ALABAMAWORKS!
7 SOUTHWEST ALABAMAWORKS!

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
- 106 programs
  - Army Programs: 76
  - Air Force Programs: 17
  - Navy Programs: 8
  - Marine Corps Programs: 4

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**HOSA - Future Health Professionals**

Health Sciences Education

- **Membership**: 9,923 (total 10,921 including alumni)
- **Chapters**: 171 (5 middle school, 3 post-secondary, 163 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**: 15,295
- **Chapters**: 307

---

**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**: 5,586
- **Chapters**: 355

---

**DECA – Emerging Leaders & Entrepreneurs**

Entrepreneurship, Marketing, Management, Finance, and Hospitality Education

- **Membership**: 2,059
- **Chapters**: 56

---

**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**: 10,210
- **Chapters**: 375

---

**JAG – Jobs for Alabama’s Graduates**

Assisting students in overcoming barriers to graduation and employment.

- **Membership**: 1,283
- **Chapter Count**: 30

---

**TSA**

Science, Technology, Engineering, and Mathematics

- **Membership**: 3,536
- **Chapters**: 103 (51 middle school, 52 high school)
“MY CTE EXPERIENCE HAS TAUGHT ME THE IMPORTANCE OF ALWAYS STRIVING TO BE BETTER TODAY THAN YOU WERE YESTERDAY.” - MILLIE GRACE, FFA STUDENT LEADER

“The biggest lesson I have learned from my CTE courses is that anyone can be a leader. If they have passion and they are willing to develop the best leadership skills, they can and will be an amazing leader.” - ELIZABETH, SKILLSUSA STUDENT LEADER

“CTE AND MY CTSO HAVE BEEN AN EYE-OPENING EXPERIENCE THAT HAS TAUGHT ME HOW TO NOT ONLY LEAD OTHERS, BUT ALSO HOW TO LEAD MYSELF AS WELL.” - ANNA KIM, DECA STUDENT LEADER
COMMUNITY SERVICE

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

IMPACTS OF CTSOs

COMMUNITY SERVICE

COMMUNITY SERVICE

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

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

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

Page 4

- Unique student counts, number of CTE courses taken, and percent of students enrolled in CTE were pulled from the ALSDE AIMS system Student Data Application for 2018-2019 school year.
- Positive Placement data comes from LEA reported findings in the placement review for CTE students departing secondary education in the 2017-2018 school year when those students were located in the spring of 2019.
- Work hours calculations come from the 2018-2019 Wage and Hour Reports submitted by LEAs through the Work-Based Learning Program.

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- List of recognized credentials is available at www.alsde.edu/sec/wfd.
- 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.

Page 6

- Selected courses represent a generally random sampling of STEM content CTE courses in which students are enrolled in the 2018-2019 school year.
- Dual enrollment counts are from the 2018-2019 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 AIMS system Student Data Application for 2018-2019 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 2018-2019 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 www.alsde.edu/sec/wfd. 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 2018-2019 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 tony.may@alsde.edu.
- Career Coach data is reported monthly by local career coaches. Referenced data come from the 2018-2019 annual summary and is available upon request from wconner@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 2019-2020 school year.
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Alabama CTSO memberships are for the 2019-2020 school year.
Dr. Eric G. Mackey
State Superintendent of Education
State School Board Secretary
and Executive Officer

Dr. Daniel Boyd
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