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4 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 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.

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.
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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Cyber Forensics</td>
<td>PLTW Biomedical Innovations</td>
<td>Aquatic Biology</td>
</tr>
<tr>
<td>PLTW Automation and Robotics</td>
<td>AP Computer Science</td>
<td>CAD &amp; Computer-Aided Manufacturing</td>
</tr>
<tr>
<td>PLTW Middle School Gateway</td>
<td>Software Development</td>
<td>AP Computer Science Principles</td>
</tr>
<tr>
<td>Game Design</td>
<td>Kinesiology and Biomechanics</td>
<td>Architectural Design</td>
</tr>
<tr>
<td>Maritime Engineering</td>
<td>Medical Terminology</td>
<td>Plant Biotechnology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TECHNICAL DUAL ENROLLMENT

<table>
<thead>
<tr>
<th>Courses</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>405</td>
<td>8,478</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>11,931</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>77%</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Organization</th>
<th>% Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>DECA</td>
<td>4.78%</td>
</tr>
<tr>
<td>FBLA</td>
<td>17.28%</td>
</tr>
<tr>
<td>FCCLA</td>
<td>14.34%</td>
</tr>
<tr>
<td>FFA</td>
<td>9.93%</td>
</tr>
<tr>
<td>HOSA</td>
<td>12.50%</td>
</tr>
<tr>
<td>JAG</td>
<td>10.29%</td>
</tr>
<tr>
<td>JROTC</td>
<td>14.71%</td>
</tr>
<tr>
<td>SkillsUSA</td>
<td>12.13%</td>
</tr>
<tr>
<td>TSA</td>
<td>4.04%</td>
</tr>
</tbody>
</table>

NUMBER OF YEARS SERVING AS A CTSO ADVISOR

<table>
<thead>
<tr>
<th>Years</th>
<th>% Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ONE</td>
<td>54.58%</td>
</tr>
<tr>
<td>TWO</td>
<td>23.81%</td>
</tr>
<tr>
<td>THREE</td>
<td>10.99%</td>
</tr>
<tr>
<td>FOUR+</td>
<td>10.62%</td>
</tr>
</tbody>
</table>

AVERAGE ADVISORS PER CHAPTER: 1.78

JLDC BY THE NUMBERS

<table>
<thead>
<tr>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>15,000</td>
<td>CTSO MEMBERSHIP ACCESS</td>
</tr>
<tr>
<td>78</td>
<td>SCHOOL SYSTEMS</td>
</tr>
<tr>
<td>151</td>
<td>SCHOOLS</td>
</tr>
<tr>
<td>32,000</td>
<td>CTE STUDENT ENROLLMENT ACCESS</td>
</tr>
<tr>
<td>9</td>
<td>CTE + CTSO ORGANIZATIONS</td>
</tr>
<tr>
<td>260</td>
<td>CTSO CHAPTERS</td>
</tr>
<tr>
<td>470</td>
<td>CTE TEACHERS</td>
</tr>
</tbody>
</table>

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.
<table>
<thead>
<tr>
<th>Organization</th>
<th>Field</th>
<th>Membership</th>
<th>Chapters</th>
<th>Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>JROTC</td>
<td>Developing character, student achievement, wellness, leadership, and diversity.</td>
<td>18,970</td>
<td></td>
<td>109</td>
</tr>
<tr>
<td>FCCLA - Family, Career &amp; Community Leaders of America</td>
<td>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.</td>
<td>6,301</td>
<td>268</td>
<td></td>
</tr>
<tr>
<td>SkillsUSA</td>
<td>Technical, Skilled, Engineering, and Industrial Education</td>
<td>8,082</td>
<td>399</td>
<td></td>
</tr>
<tr>
<td>FBLA - Future Business Leaders of America</td>
<td>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.</td>
<td>5,750</td>
<td>233</td>
<td></td>
</tr>
<tr>
<td>HOSA - Future Health Professionals</td>
<td>Health Sciences Education</td>
<td>6,688</td>
<td>171</td>
<td></td>
</tr>
<tr>
<td>FFA</td>
<td>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.</td>
<td>13,048</td>
<td>272</td>
<td></td>
</tr>
<tr>
<td>DECA – Emerging Leaders &amp; Entrepreneurs</td>
<td>Entrepreneurship, Marketing, Management, Finance, and Hospitality Education</td>
<td>1,540</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>JAG – Jobs for Alabama’s Graduates</td>
<td>Assisting students in overcoming barriers to graduation and employment.</td>
<td>1,306</td>
<td></td>
<td>30 (47 High Schools)</td>
</tr>
<tr>
<td>TSA</td>
<td>Science, Technology, Engineering, and Mathematics</td>
<td>3,183</td>
<td>98</td>
<td></td>
</tr>
</tbody>
</table>
"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

**IMPACTS OF CTSOs**

- 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
• 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 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.

• 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.

• 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 AIMS 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.


• 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/.

• 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/.

• 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