



Learning that works for Alabama  
**CTE**<sup>TM</sup>



# CTE BY THE NUMBERS

## STUDENT PARTICIPANTS BY NATIONAL CLUSTER

Agriculture, Food, and Natural Resources	34,295
Architecture and Construction	16,552
Arts, A/V, Technology and Communications	3,781
Business Management and Administration	107,410
Education and Training	3,160
Finance	52,772
Government and Public Administration	18,381
Health Science	26,245
Hospitality and Tourism	6,913
Human Services	54,757
Information Technology	4,198
Law and Public Safety	4,340
Manufacturing	3,188
Marketing	51,176
STEM	17,231
Transportation, Distribution, and Logistics	8,880

171,304

UNIQUE CTE STUDENTS  
IN GRADES 9-12

581

COURSES  
BEING  
TAKEN

78%

OF ALABAMA HIGH  
SCHOOL STUDENTS  
CURRENTLY  
ENROLLED IN AT  
LEAST ONE CTE  
CLASS

4.5 MILLION

PAID WORK HOURS AND INTERNSHIPS  
ON THE JOB IN 2017



93%

OF SECONDARY CTE STUDENTS HAD POSITIVE PLACEMENT  
OUTCOMES 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.

# CREDENTIALS OF VALUE



## 150+ CREDENTIALS

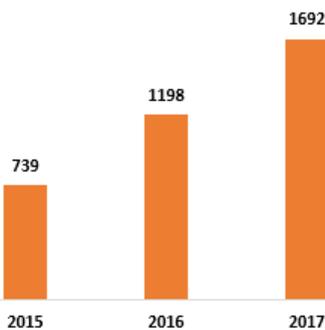
PORTABLE\*\*STACKABLE\*\*TRANSFERABLE  
THIRD-PARTY\*\*INDUSTRY RECOGNIZED\*\*DRIVEN BY EMPLOYERS

## 81% GROWTH

2015 – 12,521 Credentials Earned  
2016 – 18,110 Credentials Earned  
2017 – 22,635 Credentials Earned

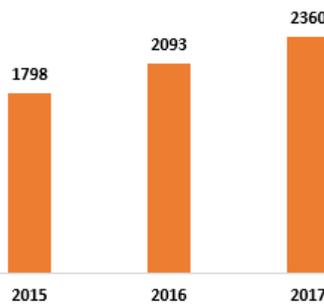
### HEALTH SCIENCE CREDENTIALS

Including CNA, CPCT, EKG



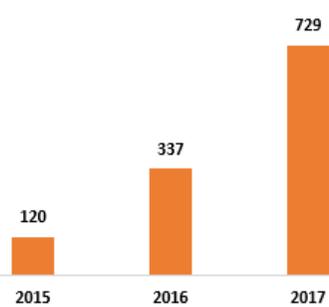
### CONSTRUCTION TRADES

Including WELDING, HVAC, ELECTRICAL, CARPENTRY



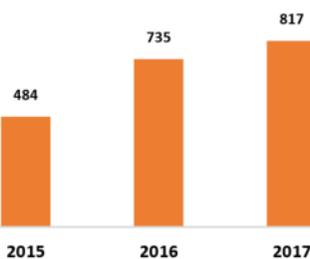
### INFORMATION TECHNOLOGY

Including MICROSOFT, CompTIA, PC PRO, SECURITY PRO, C-TECH



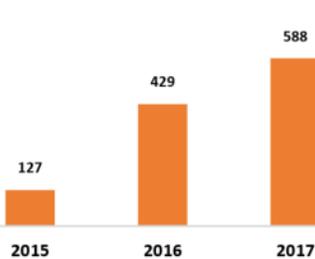
### MANUFACTURING

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



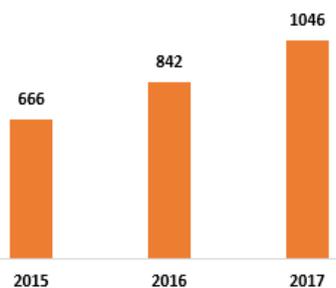
### STEM

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

## PROJECT LEAD THE WAY

### BIOMEDICAL, COMPUTER SCIENCE, AND ENGINEERING

**14** HIGH SCHOOL COURSES OFFERED

**8,543** HIGH SCHOOL STUDENTS ENROLLED

**13,760** MIDDLE SCHOOL STUDENTS ENROLLED IN FOUNDATION COURSES

## NATIONAL CURRICULA

MANUFACTURING - NIMS

CONSTRUCTION - NCCER

AUTOMOTIVE - NATEF-ASE

MILITARY SCIENCE - JROTC

**54,920** PERSONALIZED EDUCATION

PLANS OF STUDY FOR THE CLASS OF 2021

**37,952**

MAN-HOURS COMPREHENSIVE  
STATEWIDE PROFESSIONAL  
DEVELOPMENT PROVIDED  
TO CTE TEACHERS AND CTE  
DIRECTORS



## BIC : ISO 9001

ALL CTE PROGRAMS ARE  
BUSINESS INDUSTRY  
CERTIFIED THROUGH AN ISO  
APPROVED PROCESS

## CTE TEACHER CERTIFICATION PROGRAM

WE BUILD TEACHING EXPERTS FROM INDUSTRY EXPERTS.

**667** SUBJECT MATTER EXPERTS HAVE RECEIVED

**196** HOURS OF INSTRUCTION IN PEDAGOGY, SAFETY,  
EDUCATION LAW, CURRICULUM, AND CREDENTIALING.  
EACH ONE HAS A QUALIFIED AND EXPERIENCED MENTOR.

## JOBS FOR ALL GRADUATES (JAG)

**23** PROGRAMS FOR AT-  
RISK STUDENTS

**99.7%** GRAD RATE  
FOR PARTICIPANTS

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

# WORKFORCE INITIATIVES

## SIMULATED WORKPLACE

FOCUSED ON EMPLOYABILITY SKILLS  
& PREPARATION FOR WORKFORCE ENTRY

*ALABAMA CTE HAS ADOPTED A "STATEWIDE  
STRATEGY FOR OFFERING SIMULATED  
WORKPLACE EXPERIENCES..."*

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

## WORK - BASED LEARNING

8,577 STUDENTS PARTICIPATING

\$40 MILLION EARNED

\$250 MILLION ECONOMIC IMPACT

**\$50** MILLION

BOND INVESTMENT COMPLETED  
TO BRING EQUIPMENT UP TO  
INDUSTRY STANDARDS

## READY TO WORK (RTW) PARTNERSHIP WITH AIDT

PROVIDING RTW CERTIFICATION TO SENIORS  
DIRECTLY THROUGH HIGH SCHOOL CTE PROGRAMS



## REGIONAL WORKFORCE COUNCIL PARTNERSHIPS

REGIONAL CAREER EXPOS LINKED

28,606 STUDENTS WITH

EMPLOYERS IN THEIR AREA TO MAKE THEM  
AWARE OF CAREER OPTIONS AVAILABLE

## CAREER COACH INITIATIVE

94	CAREER COACHES
538	JOB SHADOWING EVENTS
2,151	INDUSTRY SPEAKERS
16,147	COLLEGE APPLICATIONS
46,101	ONE ON ONE STUDENT CONTACTS

## JOINT LEADERSHIP DEVELOPMENT CONFERENCE

74	INDUSTRY PARTNERS	<b>#JLDC</b>
99	SCHOOL SYSTEMS	
6,358	STUDENTS	<b>2017</b>

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

# IMPACT OF CTSOs

## STUDENT MEMBERSHIP

DECA	1,651
FBLA	13,117
FCCLA	8,259
FFA	13,981
HOSA	7,759
SKILLS USA	10,609
TSA	5,121

## COMMUNITY SERVICE

- MARCH OF DIMES
- MUSCULAR DYSTROPHY ASSOCIATION
- AMERICAN CANCER SOCIETY
- NATIONAL ALLIANCE ON MENTAL ILLNESS

**TECHNICAL SKILLS**

TECHNOLOGY LITERACY  
JOB-SPECIFIC SKILLS  
SERVICE ORIENTATION  
SAFETY AND HEALTH

**WORKPLACE SKILLS**

**PERSONAL SKILLS**

INTEGRITY  
WORK ETHIC  
PROFESSIONALISM

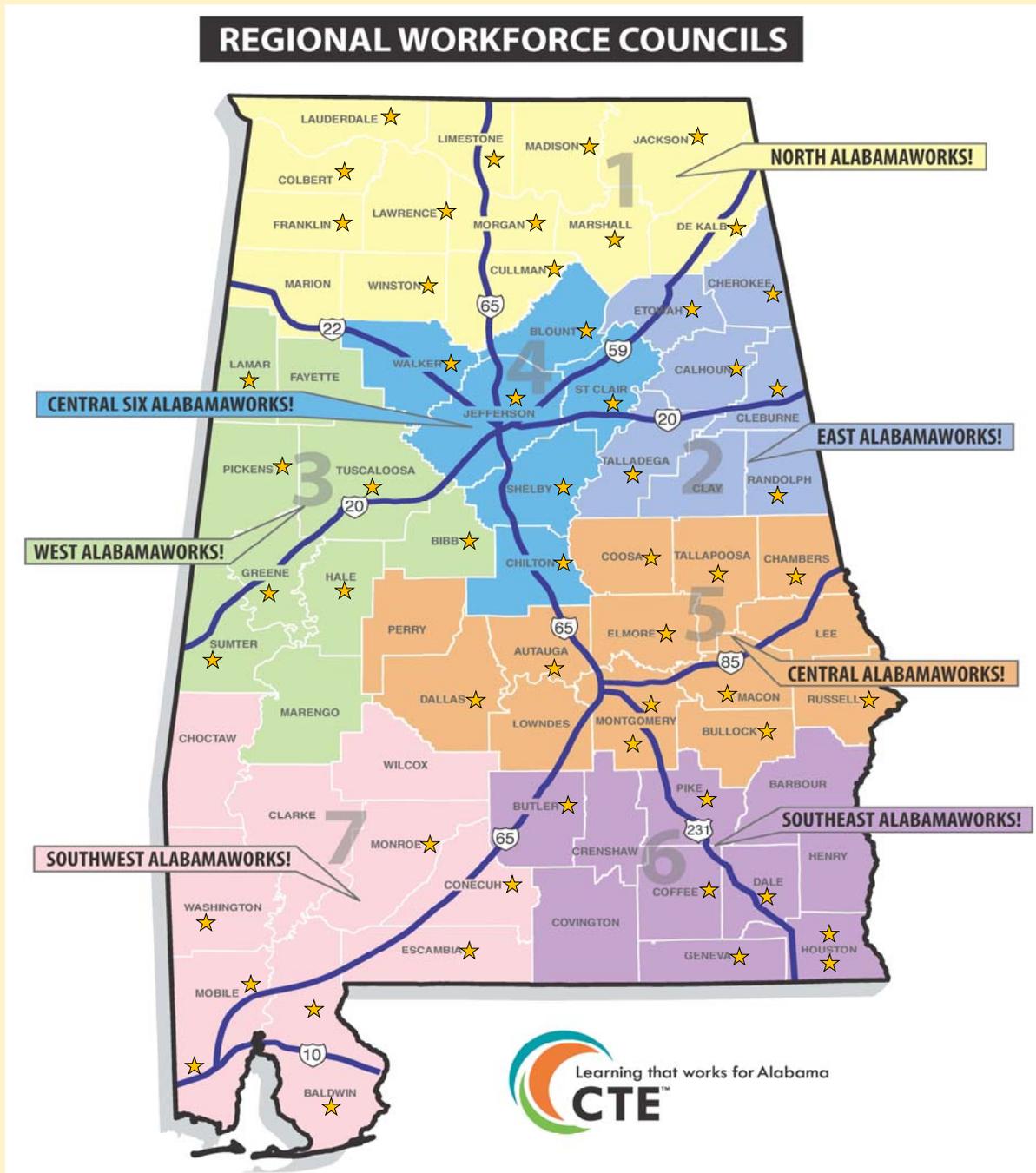
ADAPTABILITY  
FLEXIBILITY  
RESPONSIBILITY

COMMUNICATION  
DECISION MAKING  
TEAMWORK

LEADERSHIP  
RESILIENCE  
GOAL SETTING

CAREER TECH STUDENT ORGANIZATIONS ENHANCE **WORKPLACE SKILLS**, **PERSONAL SKILLS**, AND **TECHNICAL SKILLS** GROUNDED IN ACADEMICS.

# REACHING THE STATE



**517 SECONDARY SCHOOLS AND 58 CTE CENTERS**

DISTRIBUTED THROUGHOUT THE STATE  
WITH PROGRAMS DRIVEN BY LOCAL WORKFORCE DEMANDS

ALABAMA'S SECONDARY CTE PROGRAMS OFFER UNPARALLELED

**SCALE** OF IMPACT AND **SCOPE** OF REACH.

ALL DATA PROVIDED IS FROM MOST RECENT SOURCES AVAILABLE.  
INTERNAL DATA QUERIES PROCESSED THROUGH <https://aim.alsde.edu/aim/index.aspx>

#### DATA SOURCES LISTED BY PAGE

- CTE BY THE NUMBERS
  - STUDENT PARTICIPANT NUMBERS BASED ON 2015-2016 SCHOOL YEAR COUNTS AS REPORTED IN AL QUICKFACTS. <http://www.alsde.edu/sec/comm/Pages/quickfacts-all.aspx>
  - UNIQUE CTE STUDENT COUNT, COURSES TAKEN, AND PERCENT OF HIGH SCHOOL STUDENTS ENROLLED IN A CTE COURSE ARE BASED ON INTERNAL DATA QUERY GENERATED 10/27/2017
  - WORK HOURS NUMBERS FROM LEA REPORTED DATA IN 2016-2017 SCHOOL YEAR
  - POSITIVE PLACEMENT PERCENTAGE BASED ON 2016-2017 CONSOLIDATED ANNUAL REPORT TO US DEPARTMENT OF EDUCATION
- CREDENTIALS OF VALUE
  - COUNT OF CREDENTIALS AVAILABLE GENERATED FROM ALSDE CAREER READINESS INDICATOR LIST <http://www.alsde.edu/sec/wfd/Pages/credentialing-all.aspx?navtext=Credentialing>
  - GROWTH FIGURES AND CREDENTIALS BY CLUSTER CALCULATED BASED ON INTERNAL DATA QUERY GENERATED 10/12/2016
- CURRICULUM
  - PROJECT LEAD THE WAY DATA BASED ON INTERNAL DATA QUERY GENERATED 10/25/2017
  - PERSONALIZED EDUCATION PLANS BASED ON REPORT FROM REPORT BY KUDER, INC. 10/20/2017
  - MAN-HOURS OF PROFESSIONAL DEVELOPMENT CALCULATED FROM NUMBER OF ATTENDEES MULTIPLIED BY NUMBER OF HOURS OF PROFESSIONAL DEVELOPMENT AT THE FOLLOWING EVENTS: ALABAMA ASSOCIATION OF CAREER TECHNICAL EDUCATORS 2017 SUMMER CONFERENCE, ALABAMA ASSOCIATION OF CAREER TECHNICAL ADMINISTRATORS 2017 SPRING CONFERENCE
  - CTE TEACHER CERTIFICATION PROGRAM DATA BASED ON PARTICIPATION BEGINNING IN 2013-2014 SCHOOL YEAR AND ENDING IN THE 2016-2017 SCHOOL YEAR
  - JOBS FOR ALABAMA GRADUATES DATA BASED ON REPORTING FOR THE CLASS OF 2015-2016
- WORKFORCE INITIATIVES
  - SIMULATED WORKPLACE REFERENCE FROM REPORT BY THE US DEPARTMENT OF EDUCATION [http://s3.amazonaws.com/NCICTE/pdf/SWBL\\_Report.pdf](http://s3.amazonaws.com/NCICTE/pdf/SWBL_Report.pdf)
  - WORK-BASED LEARNING INFORMATION FROM LEA REPORTED DATA IN 2016-2017 SCHOOL YEAR
  - BOND INFORMATION RELATES TO THE 21<sup>ST</sup> CENTURY WORKFORCE ACT (ACT 2013-381) <https://www.alsde.edu/sites/memos/Memoranda/FY14-1001.pdf>
  - READY TO WORK REFERS TO THE AIDT PROGRAM FOR EMPLOYMENT AND JOB-READINESS SKILLS <http://alabamareadytowork.org/>
  - REGIONAL WORKFORCE COUNCIL CAREER EXPO BASED ON REPORTS FROM ALABAMA DEPARTMENT OF COMMERCE REGIONAL WORKFORCE COUNCIL LIAISONS FOR THE YEAR PRECEDING OCTOBER 2017
  - CAREER COACH DATA IS FROM THE 2016-2017 ANNUAL CAREER COACH REPORT
  - JOINT LEADERSHIP DEVELOPMENT CONFERENCE DATA IS FOR THE CONFERENCE HELD OCTOBER 16 - 17, 2017.
- IMPACT OF CTSOS
  - MEMBERSHIP NUMBERS BASED ON 2015-2016 SCHOOL YEAR
- REACHING THE STATE
  - MAP DATA COMPILED FROM MAPS AVAILABLE AT <http://www.alsde.edu/sec/wfd/Pages/maps-all.aspx?navtext=Maps>

THE ALABAMA STATE DEPARTMENT OF EDUCATION DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, NATIONAL ORIGIN, SEX, DISABILITY OR AGE IN ITS PROGRAMS AND ACTIVITIES AND PROVIDES EQUAL ACCESS TO THE BOY SCOUTS AND OTHER DESIGNATED YOUTH GROUPS. THE FOLLOWING PERSON HAS BEEN DESIGNATED TO HANDLE INQUIRIES REGARDING THE NON-DISCRIMINATION POLICIES: TITLE IX COORDINATOR, PO BOX 302101, MONTGOMERY, AL 36130-2101 OR CALL (334)242-8165.