



Office of Career and Technology Education Update

Division of College and Career Readiness
Office of Career and Technology Education
April 2, 2019

Molly M. Spearman – State Superintendent of Education

Update

- **Statewide Data**
- **Computer Science**
- **Project Lead the Way Dual Credit**
- **Industry Credentials**
- **Perkins V Reauthorization**

Statewide Data

- Over **98%** of all 12th grade completers graduated on time.
- A total of **17,834** students were completers in grades 9-12.
- Over **122,468** students have had work-based learning experiences and apprenticeships. This has increased by **43%** since the 2013-2014 academic year.

Statewide Data (cont'd)

- Approximately **50%** of all completers received an industry credential prior to graduation.
- Approximately **22,329** certifications were attained during the 2017-2018 academic year.
- The amount of certifications attained increased by over **56%** from 2016-2017.

Computer Science

- Objectives
 - Update the list of approved courses for Computer Science High School Graduation Requirement.
 - Establish a timeline for the revision and/or addition of Computer Science courses.
 - Establish a listing of required credentials for all Computer Science courses.
 - Provide professional learning opportunities to support the 9-12 Computer Science standards.

Computer Science (cont'd)

- **Computer Science Introductory Courses:**
 - Discovering Computer Science
 - *(Similar to CS Discoveries)*
 - Fundamentals of Computing
 - *(Similar to Exploring Computer Science)*
 - AP Computer Science Principles
 - Fundamentals of Web Page Design & Development
 - IT Fundamentals

Computer Science Professional Development

- **9-12 Computer Science Symposium**
 - June 27-28, 2019
- **The Citadel STEM Center of Excellence: *CS Principles***
 - July 15-19, 2019
 - Rock Hill/ Fort Mill, SC
 - The Citadel – Charleston, SC
- **The Citadel STEM Center of Excellence: *CS Principles***
 - July 22-26, 2019
 - Aiken, SC
 - Florence, SC
- **Online support**
 - 8 monthly 60-minute webinars throughout the year to support teachers as they enact the curriculum

[CS PRINCIPLES REGISTRATION](#)

Project Lead the Way

Engineering	Biomedical Science	Computer Science
Introduction to Engineering and Design	Principles of Biomedical Science	Computer Science Essentials
Principles of Engineering	Human Body Systems	Cybersecurity (Fall 2018)
Aerospace Engineering	Medical Interventions	AP-Computer Science Principles*
Civil Engineering and Architecture		Computer Science A*
Computer Integrated Manufacturing		
Digital Electronics		
Environmental Sustainability		
AP-Computer Science Principles*		

*College Board AP Exam

PLTW STANINE SCORES
PLTW SCALE SCORE DESCRIPTION

Industry Credentials

- Industry Credential Advisory Meetings
 - Fall 2018
- Career Center submitted Industry Credentials
 - October 2018 – February 2019
- Final Review/Revision of Industry Credentials
 - March 2019
 - SC Department of Employee Workforce
 - SC Chamber of Commerce
 - SC Department of Commerce
- Submission to EOC for Approval for 2018-2019 and 2019-2020
 - March 2019

Perkins V Reauthorization

- The Strengthening Career and Technical Education for the 21st Century Act was signed into law on July 31, 2018 (Perkins V).
 - Transition Year – July 2019 – June 2020
 - Full Implementation – July 2020 – June 2024
- Allows for funding of career exploration in grades 5-8 instead of grades 7-8.
- CTE Focus: Work-Based Learning, Post Secondary Attainment, and Industry Credential Attainment.

Perkins V Reauthorization (cont'd)

- Secondary Performance Indicators for CTE Concentrators*:

Graduation Rate	
Academic Achievement <ul style="list-style-type: none">• English• Math• Science	Program Quality <ul style="list-style-type: none">• Work-Based Learning• Industry Credential• Dual Credit Attainment• Other
Non-Traditional Program Enrollment	Post Secondary Placement

*CTE Concentrator – A student who completes two or more courses in a program of study.

CTE Priorities

- Increased awareness of Career Exploration and Guidance for all students.
- Work-Based Learning Experiences with greater flexibility through simulated learning opportunities.
- Industry Credential attainment that gives students a competitive advantage
- One Workforce Development Mission
- CTE programs regionally aligned to South Carolina's workforce demand

SC Education and Business Summit

30th Anniversary Celebration
Greenville Convention Center
June 24-27, 2019

#FutureReadyCTE

REGISTER HERE!

Resources

[2019-2020 Computer Science High School Graduation Credit List](#)

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