SOUTH CAROLINA
Career Technical Education (CTE) Profile

N A P E
National Alliance for
Partnerships in Equity
Education Foundation
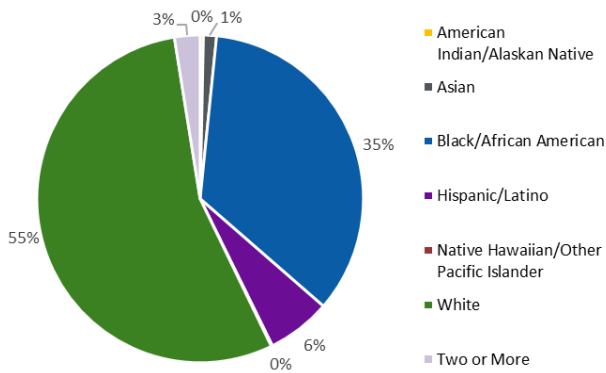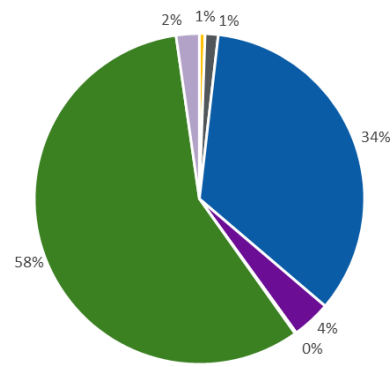
Career and Technical Education

Secondary CTE is delivered through comprehensive high schools, career centers that provide supplemental programs to students in larger school districts, two correctional agencies, and independent, multidistrict centers that provide programs to students from districts without career centers. Postsecondary CTE is delivered through the technical colleges.[1]

Secondary CTE Participators, FY 2015[2]

- 3%
- 0%
- 1%
- 35%
- 55%
- 0%
- 6%

Legend:
- American Indian/Alaskan Native
- Asian
- Black/African American
- Hispanic/Latino
- Native Hawaiian/Other Pacific Islander
- White
- Two or More

Postsecondary CTE Participators, FY 2015[2]
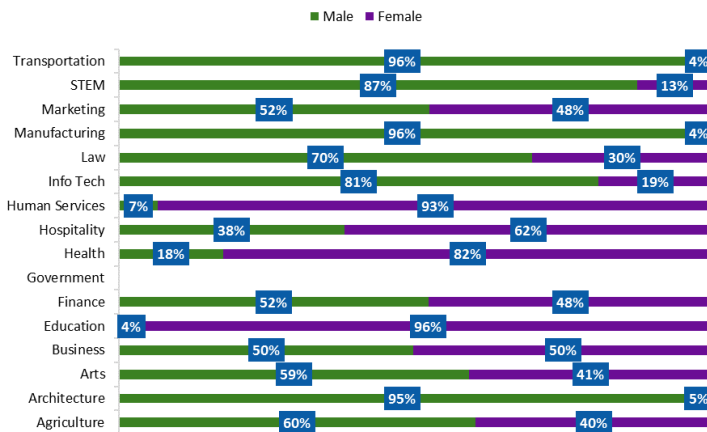

- 2%
- 1%
- 1%
- 34%
- 58%
- 4%
- 0%

In FY 2015, **57%** of secondary and **56%** of postsecondary students enrolled in CTE were economically disadvantaged.[2]
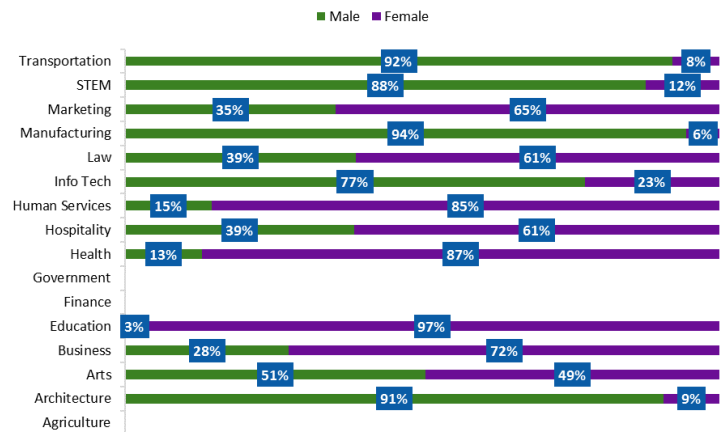
Career Clusters

Seven of the 16 career clusters in CTE lead to high-skill, high-wage, and high-demand STEM-related careers. These clusters include Agriculture, Architecture, Health, Information Technology, Manufacturing, STEM, and Transportation, Distribution, and Logistics and contain programs that prepare students for nontraditional careers.

Secondary Enrollment, FY 2015[3]

Male / Female

Cluster	Male	Female
Transportation	96%	4%
STEM	87%	13%
Marketing	52%	48%
Manufacturing	96%	4%
Law	70%	30%
Info Tech	81%	19%
Human Services	7%	93%
Hospitality	38%	62%
Health	18%	82%
Government		
Finance	52%	48%
Education	4%	96%
Business	50%	50%
Arts	59%	41%
Architecture	95%	5%
Agriculture	60%	40%

Postsecondary Enrollment, FY 2015[3]

Male / Female

Cluster	Male	Female
Transportation	92%	8%
STEM	88%	12%
Marketing	35%	65%
Manufacturing	94%	6%
Law	39%	61%
Info Tech	77%	23%
Human Services	15%	85%
Hospitality	39%	61%
Health	13%	87%
Government		
Finance		
Education	3%	97%
Business	28%	72%
Arts	51%	49%
Architecture	91%	9%
Agriculture		

Middle-Skill and STEM Jobs

The pipeline to middle-skill and STEM jobs loses young people at every level of the education system. Thus, the supply of sufficiently trained workers will not meet the demand of key industries.
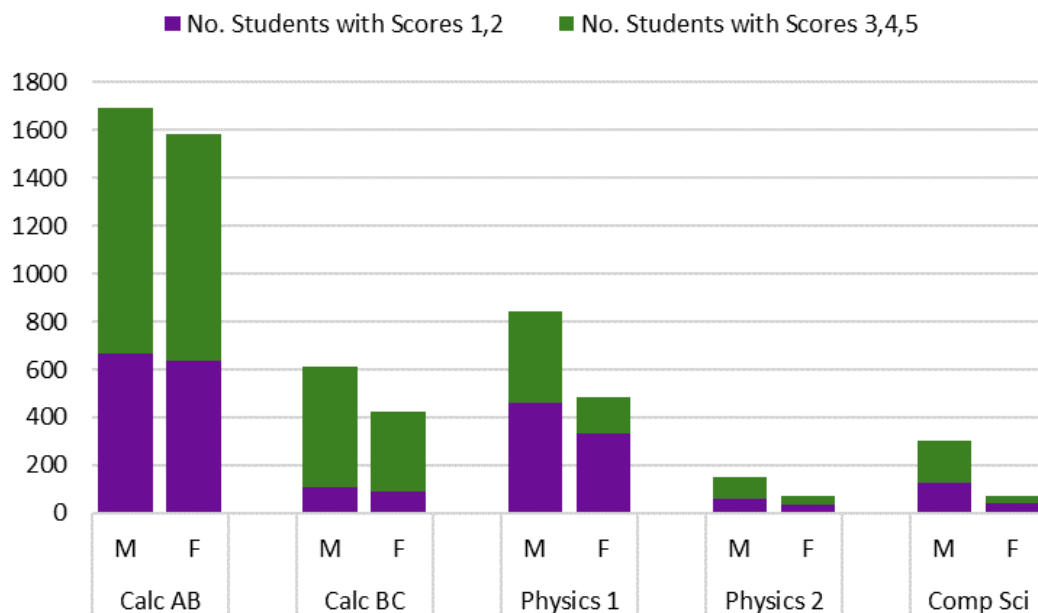
Fast Facts

From 2014 to 2024…

- Computing jobs will grow by **22%**.[4]
- Engineering jobs will grow by **16%**.[4]
- Advanced manufacturing jobs will grow by **19%**.[4]
- Of all job openings, **53%** will require training at the middle skill-level.[5]

Yet…

- **14%** of students who enter an associate's degree program graduate.[4]
- **57%** of students who enter a bachelor's degree program graduate.[4]
- **46%** of workers are trained to the middle-skill level.[5]

2016 AP Test Taking and Passing[6]

Students pursuing careers in STEM, particularly computer science and engineering, must become academically prepared early in their educational trajectory.[7]

Legend: ■ No. Students with Scores 1,2   ■ No. Students with Scores 3,4,5

Categories (M / F): Calc AB, Calc BC, Physics 1, Physics 2, Comp Sci

For South Carolina, in 2016, college-bound female students earned an average math SAT score of **480**, compared to **509** for male students.[8]

State CTE Contact

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Data Sources (retrieved April 2017)

[1] https://www.acteonline.org/stateprofiles/
[2] https://perkins.ed.gov/pims/DataExplorer/CTEParticipant
[3] https://perkins.ed.gov/pims/DataExplorer/CTEConcentrator (race not available for clusters)
[4] http://vitalsigns.changetheequation.org/
[5] http://www.nationalskillscoalition.org/state-policy/fact-sheets
[6] https://research.collegeboard.org/programs/ap/data/participation/ap-2016
[7] http://ieeexplore.ieee.org/document/1264690/
[8] https://reports.collegeboard.org/sat-suite-program-results/class-of-2016-results/state-reports