Career and Technical Education

At the secondary level, CTE is delivered through comprehensive high schools and regional career and technical centers. At the postsecondary level, CTE is delivered by the four campuses of the Community College of Rhode Island (CCRI).\(^1\)

In FY 2015, 33% of secondary and 44% 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.
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 19%.4
- Engineering jobs will grow by 9%.4
- Advanced manufacturing jobs will grow by 5%.4
- Of all job openings, 41% will require training at the middle skill-level.5

Yet...
- 13% of students who enter an associate’s degree program graduate.4
- 68% of students who enter a bachelor’s degree program graduate.4
- 47% of workers are trained to the middle-skill level.5

2016 AP Test Taking and Passing6
Students pursuing careers in STEM, particularly computer science and engineering, must become academically prepared early in their educational trajectory.7

For Rhode Island, in 2016, college-bound female students earned an average math SAT score of 475, compared to 510 for male students.8

State CTE Contact
Vanessa Cooley, Director, Office of Middle & HS Reform & Adult Ed., 255 Westminster St., Providence, RI 02903-3400, (401) 222-4600, vanessa.cooley@ride.ri.gov

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
8 https://reports.collegeboard.org/sat-suite-program-results/class-of-2016-results/state-reports