



**The Carl D. Perkins
Career and Technical Education Act of 2006
(Perkins IV)
Performance Standards and State Goals**

**Statewide
Annual Performance
Report**

School Year 2012-2013

Commonwealth of Virginia Department of Education
Office of Career and Technical Education Services

Statewide Annual Performance Report 2012-2013

Introduction

Students begin preparing for college and careers while they are in middle school by developing academic and career plans. The federal Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV) requires that students be provided career cluster/pathway programs of study that

- Incorporate secondary education and postsecondary education elements;
- Include academic and career and technical education (CTE) content in a coordinated, non-duplicative progression of courses; and
- Lead to an industry-recognized credential or certificate at the postsecondary level, or an associate or bachelor's degree.

The students' program of study may include opportunities to participate in dual or concurrent enrollment programs in community colleges or other ways to acquire postsecondary education credits and credentials.

CTE prepares students for many of the jobs in Virginia forecast to experience the fastest growth in the coming years. Georgetown University Center for Education and Workforce in its June 2013 report, "Recovery 2020," estimates that by 2020, 67 percent of all Virginia jobs will require some education or training beyond a high school diploma. It is critical that high school graduates leave high school with the knowledge and skills needed to continue their learning and have a choice in their future.

Background

Data presented in this report is based on the performance of CTE program completers. A CTE completer is a student who has met the requirements for a CTE concentration (sequence) and all requirements for high school graduation, or an approved alternative education program. A concentration is a coherent sequence of state-approved courses. Students may take additional CTE courses that will enhance their career pathway goals.

Completion of certain skill sets and coursework enable students to participate in Board-approved external examinations that test essential employability and technical skills. Types of credentials include: full industry certification from a recognized industry, trade, or professional association; pathway industry certification specific stackable credentials from a recognized industry that lead to a full industry certification; occupational competency assessment, a national standardized assessment of skills/knowledge in a specific career and/or technical area such as those recognized by the National Occupational Competency Testing Institute (NOCTI), et al; state licensure required for entry into a specific occupation; and Workplace Readiness Skills for the Commonwealth certificate for essential employability skills recognized by Virginia employers.

Students who earn these credentials are eligible to earn verified credit towards graduation requirements.

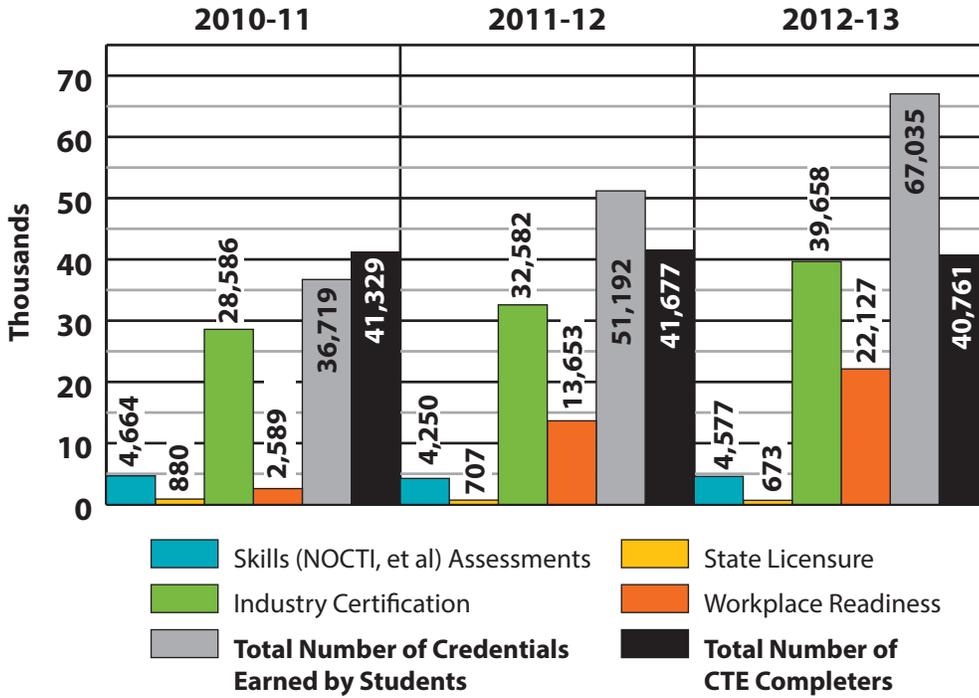
STATEWIDE ANNUAL PERFORMANCE 2012-2013 SUMMARY

Virginia met all performance targets for the 2012-2013 School Year as outlined below. For details see pages 9-13

Career and Technical Education Perkins IV Performance Standards and Measures					
Code	Core Indicators	Targets	Performance	Met	Not Met
1S1	Academic Attainment End of Course (EOC) English 11: Reading	85%*	98.79% (40,143 of 40,634)	√	
1S2	Academic Attainment EOC Mathematics (Highest level)	61%*	99.21% (40,244 of 40,565)	√	
2S1	Technical Skills Attainment				
	A. Student Competency Rate	84%	96.58% (39,365 of 40,761)	√	
	B. Completers Participating in Credentialing Tests	55%	73.9% (30,121 of 40,761)	√	
	C. Test Takers (Completers) Passing Credentialing Tests	75%	78.64% (23,686 of 30,121)	√	
	D. Completers Passing Credentialing Tests	35%	57.7% (23,686 of 40,761)	√	
	E. Completers who passed a credentialing test plus Completers who earned an Advanced Studies Diploma and did not pass a credentialing test. (College and Career Readiness)	43%	72.48% (29,545 of 40,761)	√	
	Information Indicator -Completers who earned an Advanced Studies Diploma and passed a credentialing test.	Not Applicable	33.38% (13,605 of 40,761)	--	--
3S1	Secondary Program Completion Rate	88%	98.87% (40,753 of 41,217)	√	
4S1	Graduation Rate	83%	98.87% (40,517 of 40,981)	√	
5S1	Transition from Secondary School to Postsecondary Education, Employment or Military	88%	93.84% (30,068 of 32,042)	√	
	Program Completer Response Rate	75%	76.88% (32,042 of 41,677)	√	
6S1	Nontraditional Career Preparation Enrollment	25%	36.47% (137,366 of 376,687)	√	
6S2	Nontraditional Career Preparation Completion	22%	30.46% (11,130 of 36534)	√	

* Based on Virginia's Annual Measurable Objectives (AMOs) for all students under the Elementary and Secondary Education Act (ESEA), flexibility waivers granted by USDOE, March 2013.

Virginia's Credentialing Trends

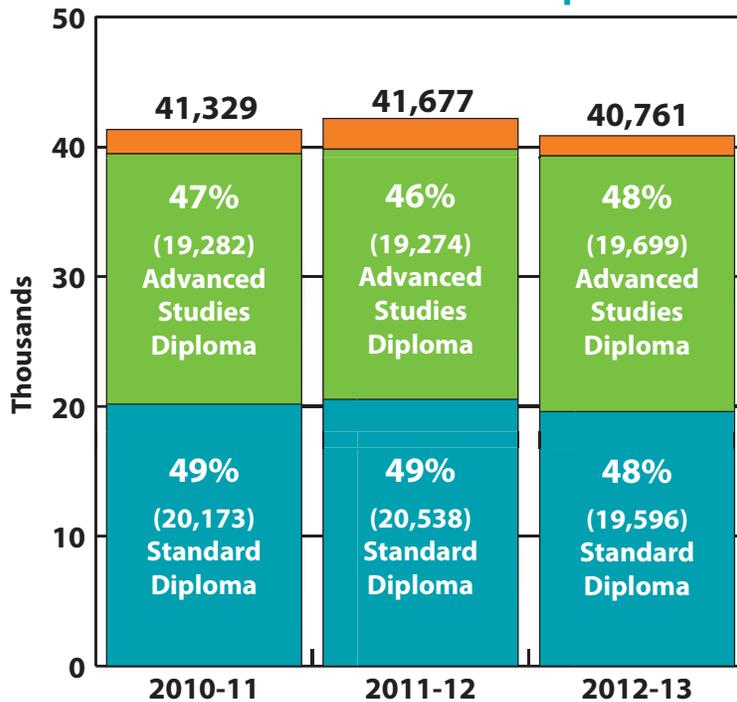


Secondary schools report the number of credentials earned by students for passing occupational competency skills assessments recognized by the National Occupational Competency Testing Institute (NOCTI), et al, state licensure examinations, industry certification examinations, and workplace readiness skills assessments.

Prior to 2010-2011, workplace readiness skills assessments were included in the Industry Certification category, but now are reported separately.

Source: Virginia's School Report Card

Completers Graduated with Standard and Advanced Studies Diplomas



For three consecutive years, 95% or more CTE Completers graduated high school with a Standard or Advanced Studies Diploma

Source: Virginia Department of Education

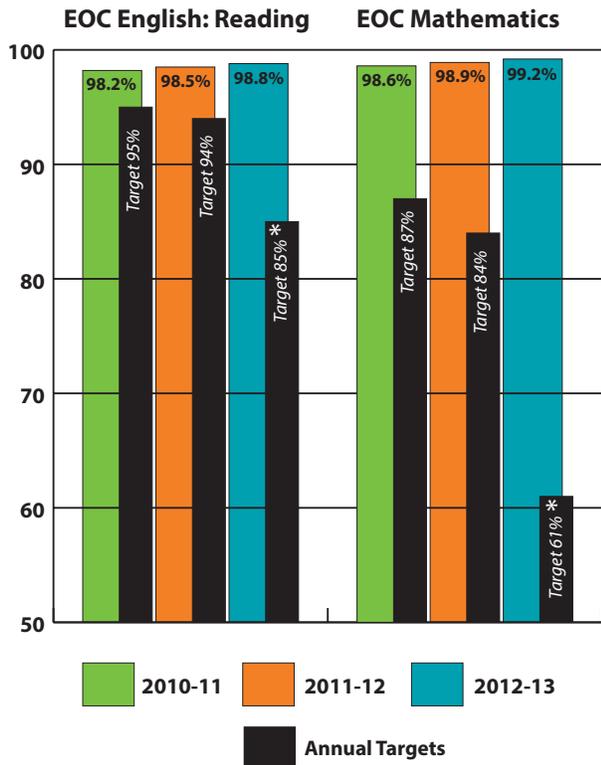
Top Statewide Occupational Projections

Occupation	2012 Median Wage Virginia Statewide	2020 Projected Employment	Typical Education Needed for Entry
Registered Nurses	\$62,630	77,857	Associate degree
Business Management Analysts	\$91,160	72,140	Bachelor's degree
Business General and Operations Managers	\$111,710	59,361	Bachelor's degree
Retail Sales Supervisors	\$37,800	50,223	High school diploma
Software Developers, Systems Software	\$112,410	48,184	Bachelor's degree
Accountants and Auditors	\$68,710	47,032	Bachelor's degree
Heavy and Tractor-Trailer Truck Drivers	\$35,880	46,334	Postsecondary certificate
Elementary School Teachers	\$54,810	44,796	Bachelor's degree
Computer Systems Analysts	\$91,870	42,177	Bachelor's degree
Manufacturing Maintenance and Repair Workers	\$35,020	35,802	High school diploma
Carpenters	\$36,660	34,726	High school diploma
Network & Systems Architects and Administrators	\$85,000	27,294	Bachelor's degree
Secondary School Teachers	\$55,480	27,293	Bachelor's degree
Executive Secretaries and Assistants	\$47,360	26,915	Some college
Automotive Service Technicians	\$40,450	26,539	Postsecondary certificate
Licensed Practical Nurses	\$39,210	25,741	Postsecondary certificate
Lawyers	\$115,730	23,275	Professional degree
Electricians	\$44,330	23,186	Postsecondary certificate
Construction Managers	\$89,060	18,336	Associate degree
Plumbers, Pipefitters, and Steamfitters	\$42,740	18,231	High school diploma
Police and Sheriff's Patrol Officers	\$47,100	17,798	Some college
Market Research Analysts and Specialists	\$64,260	16,737	Bachelor's degree
Manufacturing Production Supervisors	\$56,110	14,492	Postsecondary certificate
Civil Engineers	\$77,650	11,876	Bachelor's degree
Financial Analysts	\$80,150	11,569	Bachelor's degree
Mental Health Counselors	\$42,730	10,384	Master's degree
Industrial Machinery Mechanics	\$43,970	10,282	High school diploma
Pharmacists	\$118,780	9,341	Professional degree
Welders, Cutters, Solderers, and Brazers	\$38,490	9,163	High school diploma
Graphic Designers	\$51,170	8,799	Bachelor's degree
Firefighters	\$43,570	8,573	Postsecondary certificate
Interpreters and Translators	\$89,650	7,781	Bachelor's degree
Landscaping Supervisors	\$43,380	6,996	High school diploma
Dental Hygienists	\$82,770	6,740	Associate degree
Electronics Engineers	\$97,760	5,920	Bachelor's degree
Telecommunications Equipment Installers	\$52,050	5,706	Postsecondary certificate
Meeting, Convention, and Event Planners	\$56,050	5,669	Bachelor's degree
Aerospace Engineers	\$126,130	5,170	Bachelor's degree
Food Service Managers	\$55,780	5,052	High school diploma
Massage Therapists	\$51,870	4,989	Postsecondary certificate
Environmental Scientists and Specialists	\$75,270	4,630	Bachelor's degree
Technical Writers	\$71,610	4,099	Bachelor's degree
Construction and Building Inspectors	\$50,280	3,991	Some college
Veterinarians	\$87,610	2,987	Professional degree
Chefs and Head Cooks	\$41,580	2,694	High school diploma

Source: Virginia Employment Commission, Virginia Occupational Employment Projections 2010-20

Details & Trends

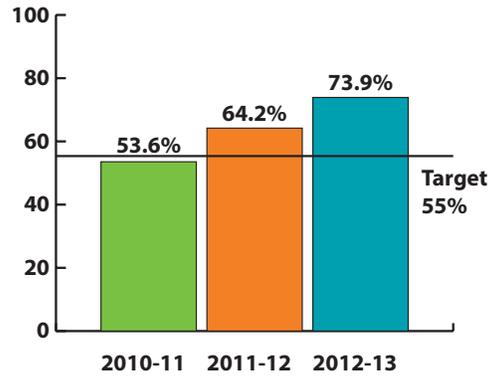
(1S1 & 1S2) Academic Attainment



Students who completed a CTE program and were also enrolled in an academic course for which a Standard of Learning end-of-course test is required, attained a passing score on the EOC English: Reading test and EOC mathematics test (highest level).

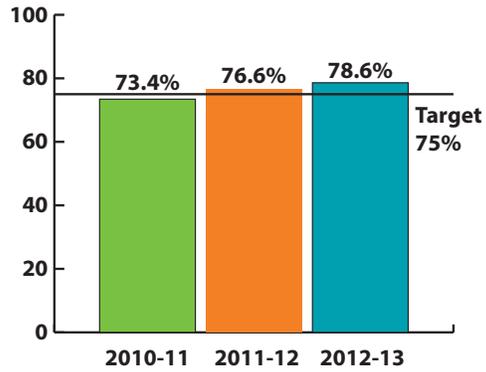
* Based on Virginia's Annual Measurable Objectives (AMOs) for all students under the Elementary and Secondary Education Act (ESEA), flexibility waivers granted by USDOE, March 2013.

Completers Participating in Credentialing Tests (B)



(B) Completers who participated in one or more Board-approved credentialing test(s)

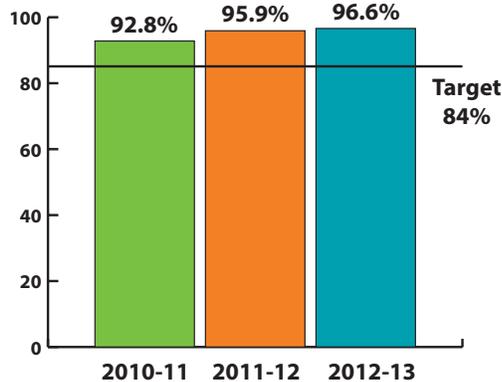
Test Takers Passing Credentialing Test (C)



(C) Not all CTE Completers participate in the externally validated credentialing test. There are age restrictions set by certain credentialing entities which would prohibit the student from testing until after high school. The cost of external credentialing tests range from \$10 to \$155 per test or an approximate average cost of \$55 per test.

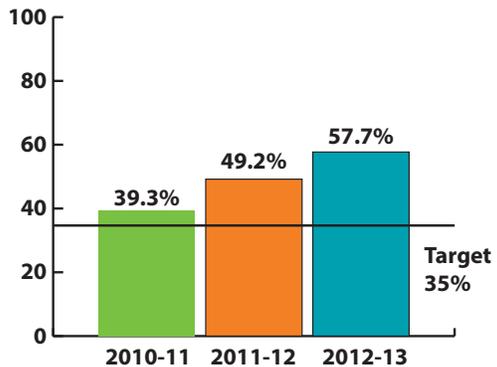
(2S1) Technical Skills Attainment

Student Competency Rate (A)



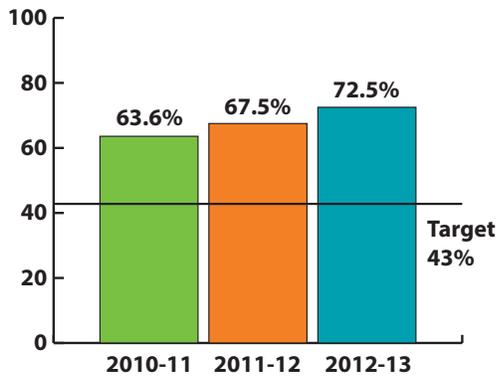
(A) Completers who attained 80% of the essential competencies

Completers Passing Credentialing Test (D)



(D) Of all Completers, those who passed a credentialing test

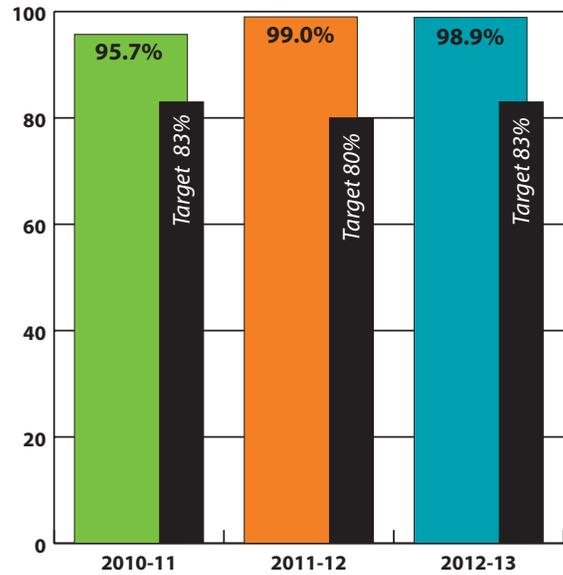
College and Career Readiness (E)



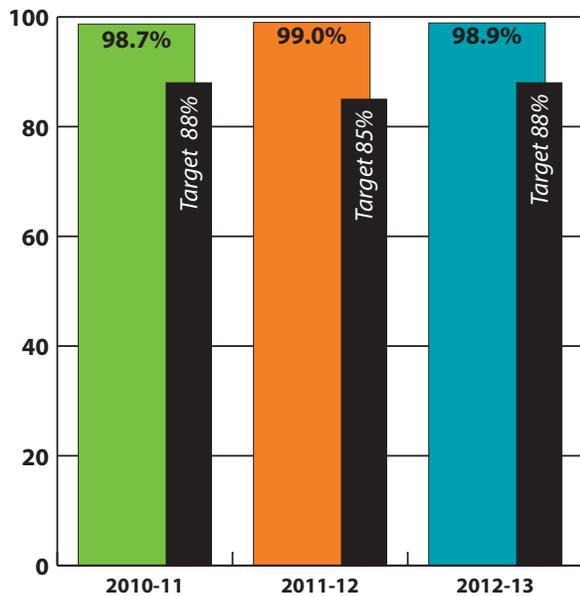
(E) Completers who passed a credential test plus Completers who earned an Advanced Studies Diploma and did not pass a credentialing test

Information indicator - 33.4% of Completers (13,605 of 40,761) earned an Advanced Studies Diploma and passed a credentialing test

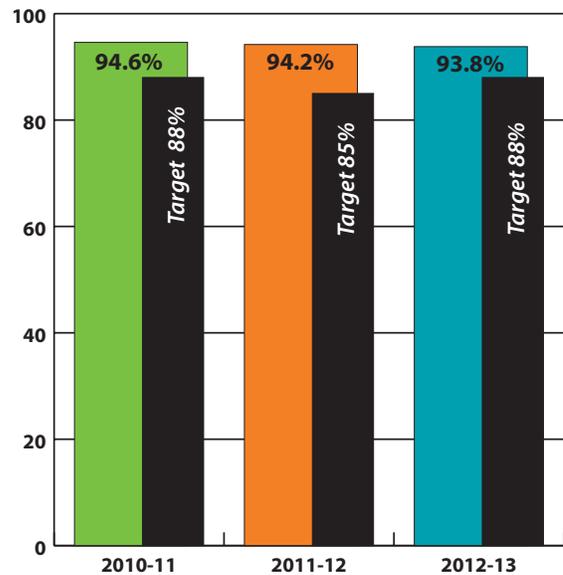
(4S1) Graduation Rate



(3S1) Secondary Program Completion Rate



(5S1) Transition Rate



Completers surveyed indicated successful transition from secondary to postsecondary education, employment, military, or part-time combinations of these transition indicators.

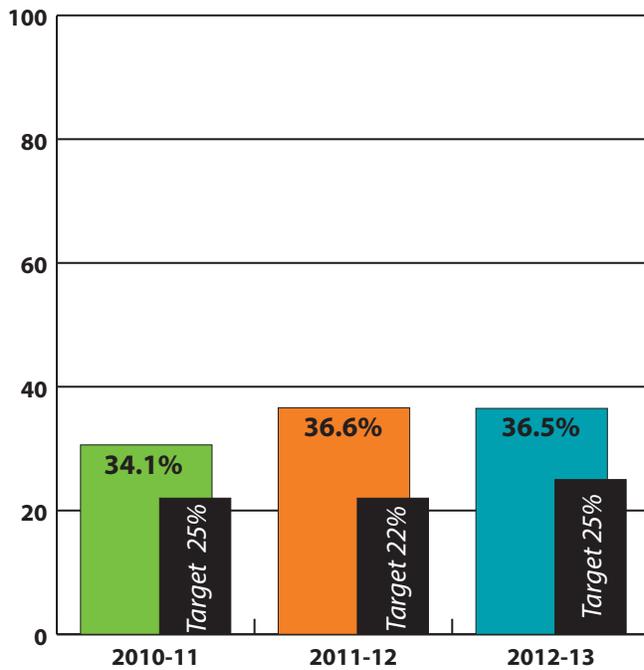
For three consecutive years, more than 93% of Completers surveyed indicated successful transition after high school graduation, which exceeded the transition targets.

2010-11 -- 77.8% of Completers (30,859 of 39,684) responded to the CTE follow-up survey, which exceeded the 75% response rate target

2011-12 -- 76.5% of Completers (31,603 of 41,329) responded to the CTE follow-up survey, which exceeded the 75% response rate target

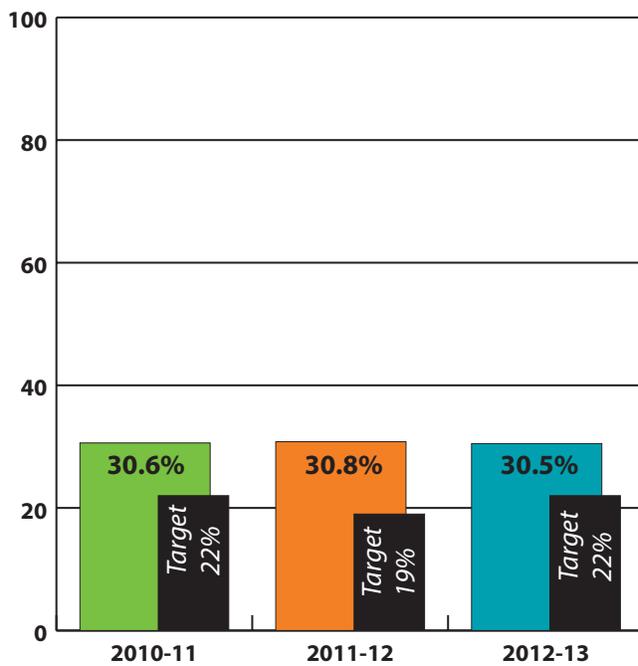
2012-13 -- 76.9% of Completers (32,042 of 41,677) responded to the CTE follow-up survey, which exceeded the 75% response rate target

(6S1) Nontraditional Career Preparation
(Enrollment Rate)



Total (combined) enrollment rate in state-identified courses for nontraditional career preparation of the gender that comprises less than 25%

(6S2) Nontraditional Career Preparation
(Completion Rate)



Total (combined) completion rate in state-identified courses for nontraditional career preparation of the gender that comprises less than 25%

2012-2013 STATEWIDE PERFORMANCE SUMMARY BY DIVISION

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1 88%	4S1 83%	5S1 88%	6S1 25%	6S2 22%
	1S1 85%	1S2 61%	2S1a 84%	2S1b 55%	2S1c 75%	2S1d 35%	2S1e 43%					
Accomack County	√	√	√	√	√	√	√	√	√	√	√	√
Albemarle County	√	√	√	√	√	√	√	√	√	√	√	■
Alexandria City	√	√	√	√	√	√	√	√	√	√	√	√
Alleghany County	√	√	√	√	√	√	√	√	√	■	√	■
Amelia County	√	√	√	√	■	√	√	√	√	√	√	√
Amelia-Nottoway Technical Center	-	-	√	√	■	√	√	-	√	√	√	■
Amherst County	√	√	√	■	√	■	√	√	√	√	√	√
Appomattox County	√	√	√	■	√	√	√	√	√	√	√	√
Arlington County	√	√	√	√	■	√	√	√	√	√	√	√
Augusta County	√	√	√	√	√	√	√	√	√	√	√	√
Bath County	√	√	√	√	√	√	√	√	√	√	■	■
Bedford County	√	√	√	√	■	√	√	√	√	√	√	√
Bland County	√	√	√	√	√	√	√	√	√	√	√	√
Botetourt County	√	√	√	√	√	√	√	√	√	√	√	√
Bridging Communities Reg.	-	-	√	√	■	√	√	-	√	√	√	√
Bristol City	√	√	√	√	√	√	√	√	√	√	√	√
Brunswick County	√	√	√	√	√	√	√	√	√	√	√	√
Buchanan County	√	√	√	■	√	■	■	√	√	√	√	√
Buckingham County	√	√	√	√	√	√	√	√	√	■	√	√
Buena Vista City	√	√	√	√	√	√	√	√	√	√	√	√
Campbell County	√	√	√	√	■	√	√	√	√	√	√	√
Caroline County	√	√	√	■	√	√	√	√	√	√	√	√
Carroll County	√	√	√	√	√	√	√	√	√	√	√	■
Charles City County	√	√	√	√	√	√	√	√	√	√	√	√
Charlotte County	√	√	√	√	√	√	√	√	√	√	√	√
Charlottesville Albemarle Tech	-	-	√	√	√	√	√	-	√	√	■	■
Charlottesville City	√	√	√	√	√	√	√	√	√	√	√	√
Chesapeake City	√	√	√	√	√	√	√	√	√	√	√	√

- √ Performance meets or exceeds the 2012-2013 Performance Standards.
- Did not meet Performance Standard for 2012-2013
- N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1	4S1	5S1	6S1	6S2
	1S1 85%	1S2 61%	2S1a 84%	2S1b 55%	2S1c 75%	2S1d 35%	2S1e 43%	88%	83%	88%	25%	22%
Chesterfield County	√	√	√	√	√	√	√	√	√	√	√	√
Clarke County	√	√	√	√	√	√	√	√	√	√	■	√
Colonial Beach	√	√	√	■	■	■	√	√	√	■	√	√
Colonial Heights City	√	√	√	√	√	√	√	√	√	√	■	√
Covington City	√	√	√	√	■	√	√	√	■	√	√	√
Craig County	√	√	√	√	√	√	√	√	√	√	√	√
Culpeper County	√	√	√	√	√	√	√	√	√	√	√	√
Cumberland County	√	√	√	√	√	√	√	√	√	√	√	√
Danville City	√	√	√	√	■	√	√	√	√	■	√	√
Dickenson County	√	√	√	√	√	√	√	√	√	√	√	√
Dinwiddie County	√	√	√	√	√	√	√	√	√	√	√	√
Essex County	√	√	√	√	√	√	√	√	√	√	√	√
Fairfax County	√	√	√	√	√	√	√	√	√	√	√	√
Falls Church City	√	√	√	■	√	■	√	√	√	■	√	√
Fauquier County	√	√	√	■	√	√	√	√	√	√	√	√
Floyd County	√	√	√	√	■	√	√	√	√	√	√	■
Fluvanna County	√	√	√	√	√	√	√	√	√	√	√	■
Franklin City	√	√	√	√	√	√	√	√	√	√	√	√
Franklin County	√	√	√	√	√	√	√	√	√	√	√	√
Frederick County	√	√	√	√	√	√	√	√	√	√	√	√
Fredericksburg City	√	√	√	√	■	√	√	√	√	√	√	√
Galax City	√	√	√	√	√	√	√	√	√	√	√	√
Giles County	√	√	√	√	√	√	√	√	√	√	√	■
Gloucester County	√	√	√	√	■	√	√	√	√	√	√	■
Goochland County	√	√	√	■	√	■	√	√	√	√	√	■
Grayson County	√	√	√	√	■	√	√	√	√	√	√	√
Greene County	√	√	√	√	√	√	√	√	√	√	√	√
Greensville County	√	√	√	√	√	√	√	√	√	■	√	√
Halifax County	√	√	√	√	√	√	√	√	√	√	√	√
Hampton City	√	√	√	√	■	√	√	√	√	√	√	√

√ Performance meets or exceeds the 2012-2013 Performance Standards.

■ Did not meet Performance Standard for 2012-2013

- N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1	4S1	5S1	6S1	6S2
	1S1 85%	1S2 61%	2S1a 84%	2S1b 55%	2S1c 75%	2S1d 35%	2S1e 43%	88%	83%	88%	25%	22%
Hanover County	√	√	√	√	√	√	√	√	√	√	√	■
Harrisonburg City	√	√	√	√	√	√	√	√	√	√	√	√
Henrico County	√	√	√	√	■	√	√	√	√	√	√	√
Henry County	√	√	√	√	■	√	√	√	√	√	√	√
Highland County	√	√	■	√	■	√	√	√	√	■	√	■
Hopewell City	√	√	√	√	√	√	√	√	√	■	√	√
Isle of Wight	√	√	√	√	√	√	√	√	√	√	√	√
Jackson River Technical Center	-	-	√	√	√	√	√	-	√	√	■	■
King and Queen County	√	√	√	■	■	■	√	√	■	√	√	√
King George County	√	√	√	■	■	■	√	√	√	√	√	√
King William County	√	√	√	√	√	√	√	√	√	√	√	√
Lancaster County	√	√	√	√	■	√	√	√	√	√	√	■
Lee County	√	√	√	√	■	√	√	√	√	■	√	√
Loudoun County	√	√	√	√	√	√	√	√	√	√	√	■
Louisa County	√	√	√	√	■	√	√	√	√	√	√	√
Lunenburg County	√	√	√	■	√	■	√	√	√	√	√	√
Lynchburg City	√	√	√	■	■	■	√	√	√	√	√	■
Madison County	√	√	√	■	√	√	√	√	√	√	■	√
Manassas City	√	√	√	■	■	■	√	√	√	√	√	√
Manassas Park City	√	√	√	√	■	√	√	√	√	√	√	√
Martinsville City	√	√	√	√	√	√	√	√	√	■	√	√
Massanutten Technical Center	-	-	√	√	■	√	√	-	√	√	■	■
Mathews County	√	√	√	√	√	√	√	√	√	√	√	■
Mecklenburg County	√	√	√	√	√	√	√	√	√	√	√	√
Middlesex County	√	√	√	■	■	■	√	√	√	√	√	■
Montgomery County	√	√	√	√	√	√	√	√	√	√	√	√
Nelson County	√	√	√	√	√	√	√	√	√	√	√	√
New Horizons Technical Center	-	-	√	√	√	√	√	-	√	√	■	√
New Kent County	√	√	√	√	√	√	√	√	√	√	√	√
Newport News City	√	√	√	√	■	√	√	√	√	√	√	√

√ Performance meets or exceeds the 2012-2013 Performance Standards.

■ Did not meet Performance Standard for 2012-2013

- N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1	4S1	5S1	6S1	6S2
	1S1 85%	1S2 61%	2S1a 84%	2S1b 55%	2S1c 75%	2S1d 35%	2S1e 43%	88%	83%	88%	25%	22%
Norfolk City	√	√	√	√	■	√	√	√	√	√	√	√
Northampton County	√	√	√	√	■	√	√	√	√	√	√	√
Northern Neck Technical Center	–	–	√	√	■	√	√	–	√	√	■	■
Northumberland County	√	√	√	■	√	■	√	√	√	■	√	√
Norton City	√	√	√	■	√	■	√	√	√	√	√	√
Nottoway County	√	√	√	√	√	√	√	√	√	√	√	√
Orange County	√	√	√	√	√	√	√	√	√	√	√	√
Page County	√	√	√	√	√	√	√	√	√	√	√	√
Patrick County	√	√	√	■	■	■	√	√	√	√	√	√
Petersburg City	√	√	√	√	√	√	√	√	√	√	√	√
Pittsylvania County	√	√	√	√	√	√	√	√	√	√	√	√
Poquoson City	√	√	√	√	√	√	√	√	√	√	√	■
Portsmouth City	√	√	√	■	■	■	√	√	√	√	√	√
Powhatan County	√	√	√	√	√	√	√	√	√	√	√	√
Prince Edward County	√	√	√	√	■	√	√	√	√	√	√	√
Prince George County	√	√	√	√	■	√	√	√	√	√	√	■
Prince William County	√	√	√	√	■	√	√	√	√	■	√	√
Pulaski County	√	√	√	√	■	√	√	√	√	√	■	■
Radford City	√	√	√	√	√	√	√	√	√	√	■	■
Rappahannock County	√	√	√	√	√	√	√	√	√	√	√	√
Richmond City	√	√	√	√	√	√	√	√	√	√	√	√
Richmond County	√	√	√	√	√	√	√	√	√	√	√	√
Roanoke City	√	√	√	√	√	√	√	√	√	√	√	√
Roanoke County	√	√	√	√	√	√	√	√	√	√	√	√
Rockbridge County	√	√	√	√	√	√	√	√	√	√	√	√
Rockingham County	√	√	√	√	√	√	√	√	√	√	√	√
Rowanty Technical Center	–	–	√	■	√	■	■	–	■	■	■	■
Russell County	√	√	√	√	√	√	√	√	√	■	√	√
Salem City	√	√	√	√	√	√	√	√	√	√	√	√
Scott County	√	√	√	√	√	√	√	√	√	■	√	√

√ Performance meets or exceeds the 2012-2013 Performance Standards.

■ Did not meet Performance Standard for 2012-2013

– N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1	4S1	5S1	6S1	6S2
	1S1 85%	1S2 61%	2S1a 84%	2S1b 55%	2S1c 75%	2S1d 35%	2S1e 43%	88%	83%	88%	25%	22%
Shenandoah County	√	√	√	√	■	√	√	√	√	√	√	√
Smyth County	√	√	√	√	■	√	√	√	√	√	√	√
Southampton County	√	√	√	√	√	√	√	√	√	√	√	√
Spotsylvania County	√	√	√	√	√	√	√	√	√	√	√	■
Stafford County	√	√	√	√	√	√	√	√	√	√	√	√
Staunton City	√	√	√	√	√	√	√	√	√	√	√	√
Suffolk City	√	√	√	√	√	√	√	√	√	√	√	√
Surry County	√	√	√	■	√	√	√	√	√	√	√	√
Sussex County	√	√	√	■	■	■	√	√	√	√	√	√
Tazewell County	√	√	√	√	√	√	√	√	√	√	√	√
The Pruden Center	-	-	√	√	√	√	√	-	√	■	■	√
Valley Vocational Technical Center	-	-	√	√	√	√	√	-	√	√	■	√
Virginia Beach City	√	√	√	√	√	√	√	√	√	■	√	√
Warren County	√	√	√	√	√	√	√	√	√	√	√	■
Washington County	√	√	√	√	√	√	√	√	√	√	√	√
Waynesboro City	√	√	√	√	√	√	√	√	√	■	√	√
West Point	√	√	√	√	√	√	√	√	√	√	√	√
Westmoreland County	√	√	√	■	√	√	√	√	√	■	√	√
Williamsburg-James City County	√	√	√	√	■	√	√	√	√	■	√	√
Winchester City	√	√	√	√	√	√	√	√	√	√	√	√
Wise County	√	√	√	√	√	√	√	√	√	■	√	√
Wythe County	√	√	√	√	√	√	√	√	√	√	√	√
York County	√	√	√	√	√	√	√	√	√	√	√	√

- √ Performance meets or exceeds the 2012-2013 Performance Standards.
- Did not meet Performance Standard for 2012-2013
- N/A