Virginia Board of Education Agenda Item

Agenda Item: J **Date:** July 25, 2013

Title	Statewide Annual Performance Report for Career and Technical Education and the Virginia Community College System, as a Sub-recipient of Perkins Funds from the Department of Education		
Presenter	Ms. Lolita B. Hall, Director of Career and Technical Education, Department of Education Mr. Aris Bearse, Director of Institutional Research, Virginia Community College System		
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Purpose of Presentation:
For information only. No action required.

Previous Review or Action:
No previous review or action.

Action Requested:
Other. Specify below:
Item presented for information only (no action required)

Alignment with Board of Education Goals: Please indicate (X) all that apply:

x	Goal 1: Accountability for Student Learning
	Goal 2: Rigorous Standards to Promote College and Career Readiness
	Goal 3: Expanded Opportunities to Learn
	Goal 4: Nurturing Young Learners
	Goal 5: Highly Qualified and Effective Educators
	Goal 6: Sound Policies for Student Success
	Goal 7: Safe and Secure Schools
	Other Priority or Initiative. Specify:

Background Information and Statutory Authority:
The Board of Education approved the *Virginia System of Performance Standards and Measures* as part of the 2008-2013 Five Year State Plan for Career and Technical Education (CTE). The Virginia system addresses performance for CTE program completers on: academic attainment; technical skills attainment; secondary program completion rate; graduation rate; successful transition from secondary school to postsecondary education, employment, or military; and nontraditional career preparation. The federal Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV) requires that the results on the negotiated state-adjusted levels of performance (targets) for secondary and postsecondary CTE be communicated to the Board and other audiences. Each school division and community college receives an annual report of performance.

The Virginia Department of Education met or exceeded all performance targets for secondary CTE. A new baseline for the technical skills attainment was established for the 2009-2010 school year based on five separate performance indicators instead of one indicator. The technical skills attainment measure includes an indicator for college and career readiness, completers who passed a credentialing test plus completers who earned an Advanced Studies Diploma and did not pass a credentialing test. This indicator was calculated based on the 2010-2011 revised formula.

For 2011-2012, a new baseline was established for academic attainment in English, Reading and Mathematics. Based on Virginia's Federal Annual Measurable Objectives (FAMO) for all students under the No Child Left Behind Act flexibility waivers were granted by the U. S. Department of Education in August 2012. Additionally, the technical skills attainment measure was modified to include the 2S1C, 2S1D, and 2S1E and new baselines were established.

The Virginia Community College System (VCCS) met or exceeded three of six Perkins performance targets. While three performance measures were below the targets, VCCS exceeded the 90 percent threshold for two but did not meet the 90 percent threshold for one. Institutions are considered to have met the target if they are within 90 percent of the target.

Summary of Important Issues:
The Virginia System of Performance Standards and Measures addresses performance based on annual continuous improvement. Performance targets that are not met by the 143 school divisions and regional technical centers and 23 community colleges must be addressed with specific strategies for improvement in their local plan.

Code	State Performance Measure	Did not meet for past two consecutive years (2010-2012)	Did not meet for past three consecutive years (2009-2012)
1S1	Academic Attainment – End of Course (EOC) English 11: Reading	None	None
1S2	Academic Attainment – End of Course (EOC) Mathematics	None	None
2S1-A	Technical Skills Attainment – Student Competency Rate	None	None
2S1-B	Technical Skills Attainment - Completers Participating in Credentialing Tests	26	N/A*
2S1-C	Technical Skills Attainment – Test Takers (Completers) Passing Credentialing Tests	32	N/A*
2S1-D	Technical Skills Attainment – Completers Passing Credentialing Tests	21	N/A*
2S1-E	Technical Skills Attainment – 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)	3	N/A*
3S1	Secondary Program Completion Rate	None	None
4S1	Graduation Rate	None	None
5S1	Transition from Secondary School to Postsecondary Education, Employment or Military	1	None
6S1	Nontraditional Career Preparation Enrollment	8**	8**
6S2	Nontraditional Career Preparation Completion	5	1

*Baseline Year 2009-2010

**CTE Regional Technical Centers

Code	State Performance Measure	Did not meet for past two consecutive years (2010-2012)	Did not meet for past three consecutive years (2009-2012)
1P1	Technical Skills Attainment	None	None
2P1	Completion	1	1
3P1	Retention and Transfer	None	None
4P1	Employment	7	6
5P1	Nontraditional Gender Representation	12	10
5P2	Nontraditional Gender Completion	14	10

Perkins funds may be redirected if a target is consistently not met for three consecutive years.

Impact on Fiscal and Human Resources:
There is minimum impact on resources. The agency's existing resources can absorb costs at this time.

Timetable for Further Review/Action:
None

Superintendent's Recommendation:
The Superintendent of Public Instruction recommends that the Board receive the report as presented, maintain as a part of the Board of Education's meeting records, and communicate to audiences as required by the Perkins legislation.

Learning that works for Virginia
CTE™

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

Statewide Annual Performance Report

School Year 2011-2012

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

Virginia Department of Education

Statewide Annual Performance Report 2011-2012

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 forecasted to experience the fastest growth in the coming years. Given the large percentage of jobs that require some type of postsecondary education or training (estimated at 63 percent of all jobs in the United States), 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); 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.

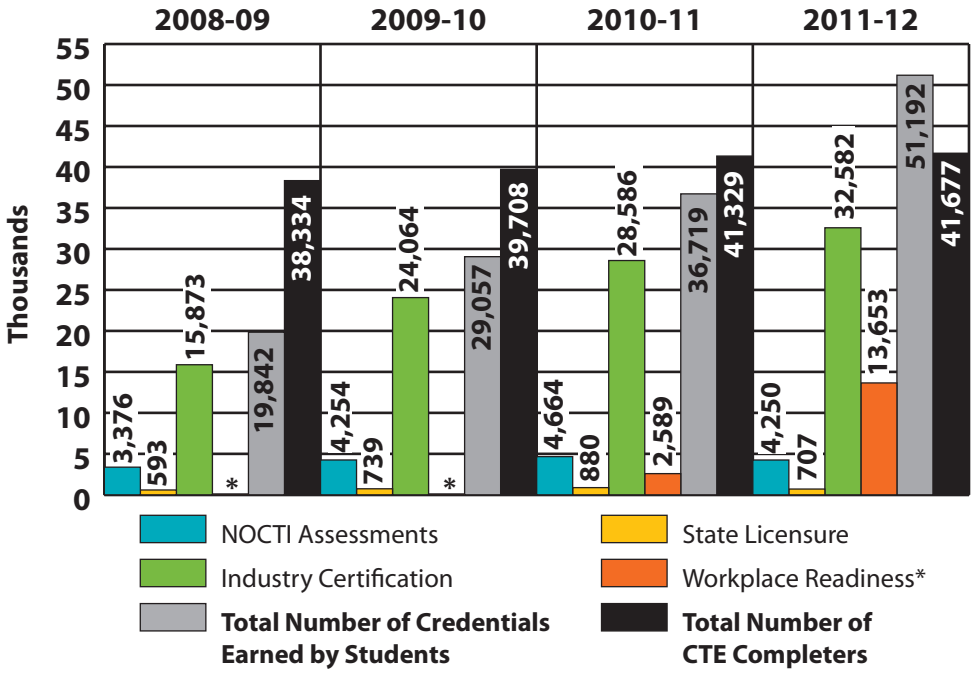
Statewide Annual Performance Report 2011-12

Summary

Virginia met all performance targets for the 2011-2012 School Year as outlined below. For details see pages 6-13

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	94%	98.5% (40,924 of 41,534)	√	
1S2	**Academic Attainment** EOC Mathematics (Highest level)	84%	98.9% (41,003 of 41,463)	√	
2S1	**Technical Skills Attainment** A. Student Competency Rate	81%	95.9% (39,992 of 41,677)	√	
	B. Completers Participating in Credentialing Tests	52%	64.2% (26,770 of 41,677)	√	
	C. Test Takers (Completers) Passing Credentialing Tests	72%	76.6% (20,505 of 26,770)	√	
	D. Completers Passing Credentialing Tests	33%	49.2% (20,505 of 41,677)	√	
	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)	40%	67.5% (28,132 of 41,677)	√	
	Information Indicator-Completers who earned an Advanced Studies Diploma and passed a credentialing test.	Not Applicable	27.6% (11,515 of 41,677)	--	--
3S1	**Secondary Program Completion Rate**	85%	99.0% (41,671 of 42,082)	√	
4S1	**Graduation Rate**	80%	99.0% (41,340 of 41,751)	√	
5S1	**Transition Rate from Secondary School to Postsecondary Education, Employment or Military**	85%	94.2% (29,768 of 31,603)	√	
	Program Completer Survey Response Rate	75%	76.5% (31,603 of 41,329)	√	
6S1	**Nontraditional Career Preparation** Enrollment Rate	22%	36.6% (115,743 of 316,612)	√	
6S2	**Nontraditional Career Preparation** Completion Rate	19%	30.8% (11,556 of 37,544)	√	

Virginia's Credentialing Trends

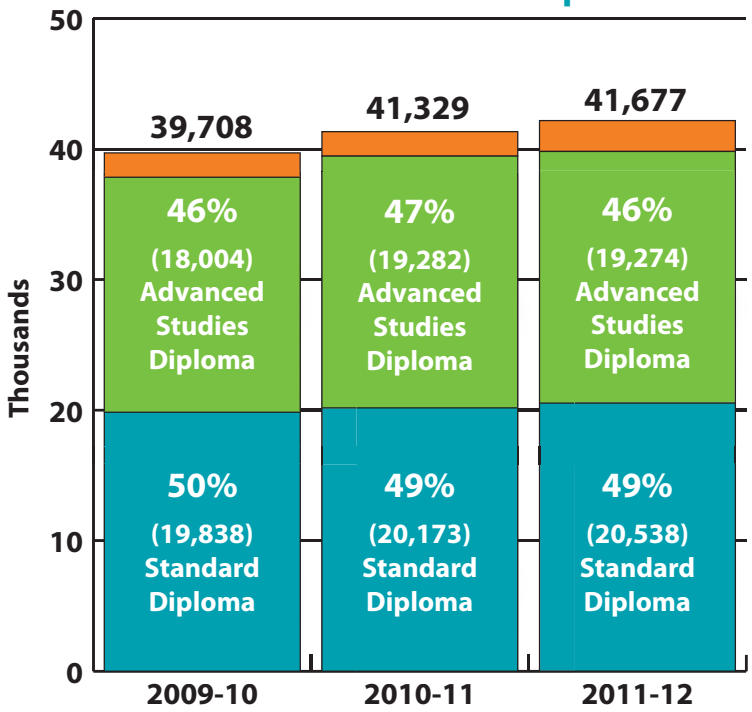


Secondary schools report the number of credentials earned by students for passing occupational competency assessments recognized by the National Occupational Competency Testing Institute (NOCTI), state licensure examinations, industry certification examinations, and workplace readiness skills assessments.

**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



Source: *Virginia Department of Education*

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

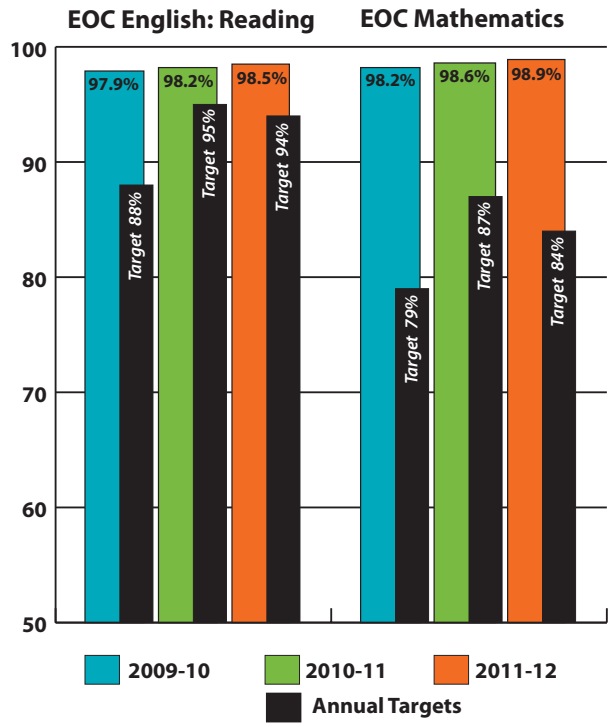
Top Statewide Occupational Projections

Occupation	2011 Median Wage Virginia Statewide	2020 Projected Employment	Typical Education Needed for Entry
Registered Nurses	$63,710	77,857	Associate's degree
Business Management Analysts	$90,210	72,140	Bachelor's degree
Business General and Operations Managers	$109,240	59,361	Bachelor's degree
Retail Sales Supervisors	$37,140	50,223	High school diploma
Software Developers, Systems Software	$109,490	48,184	Bachelor's degree
Accountants and Auditors	$68,100	47,032	Bachelor's degree
Heavy and Tractor-Trailer Truck Drivers	$35,090	46,334	Postsecondary certificate
Elementary School Teachers	$55,140	44,796	Bachelor's degree
Computer Systems Analysts	$93,070	42,177	Bachelor's degree
Manufacturing Maintenance and Repair Workers	$35,080	35,802	High school diploma
Carpenters	$37,150	34,726	High school diploma
Network & Systems Architects and Administrators	$81,120	27,294	Bachelor's degree
Secondary School Teachers	$55,200	27,293	Bachelor's degree
Executive Secretaries and Assistants	$45,820	26,915	Some college
Automotive Service Technicians	$40,350	26,539	Postsecondary certificate
Licensed Practical Nurses	$38,560	25,741	Postsecondary certificate
Lawyers	$124,540	23,275	Professional degree
Electricians	$44,880	23,186	Postsecondary certificate
Construction Managers	$85,450	18,336	Associate's degree
Plumbers, Pipefitters, and Steamfitters	$42,210	18,231	High school diploma
Police and Sheriff's Patrol Officers	$47,620	17,798	Some college
Market Research Analysts and Specialists	$61,250	16,737	Bachelor's degree
Manufacturing Production Supervisors	$54,920	14,492	Postsecondary certificate
Civil Engineers	$76,830	11,876	Bachelor's degree
Financial Analysts	$75,050	11,569	Bachelor's degree
Mental Health Counselors	$42,480	10,384	Master's degree
Industrial Machinery Mechanics	$43,470	10,282	High school diploma
Pharmacists	$114,670	9,341	Professional degree
Welders, Cutters, Solderers, and Brazers	$39,850	9,163	High school diploma
Graphic Designers	$49,960	8,799	Bachelor's degree
Firefighters	$46,360	8,573	Postsecondary certificate
Interpreters and Translators	$89,470	7,781	Bachelor's degree
Landscaping Supervisors	$43,500	6,996	High school diploma
Dental Hygienists	$81,450	6,740	Associate's degree
Electronics Engineers	$97,190	5,920	Bachelor's degree
Telecommunications Equipment Installers	$55,710	5,706	Postsecondary certificate
Meeting, Convention, and Event Planners	$53,360	5,669	Bachelor's degree
Aerospace Engineers	$125,110	5,170	Bachelor's degree
Food Service Managers	$52,980	5,052	High school diploma
Massage Therapists	$49,470	4,989	Postsecondary certificate
Environmental Scientists and Specialists	$74,610	4,630	Bachelor's degree
Technical Writers	$72,870	4,099	Bachelor's degree
Construction and Building Inspectors	$52,520	3,991	Some college
Veterinarians	$85,420	2,987	Professional degree
Chefs and Head Cooks	$43,310	2,694	High school diploma

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

Details & Trends

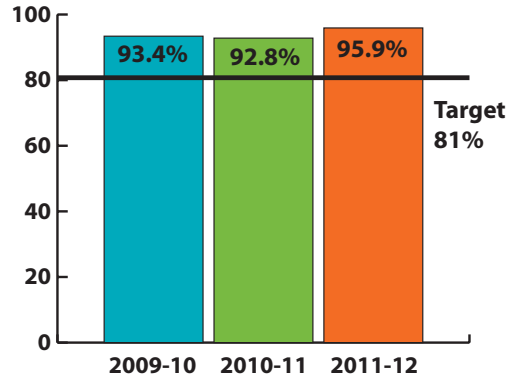
(1S1 & 1S2) Academic Attainment



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).

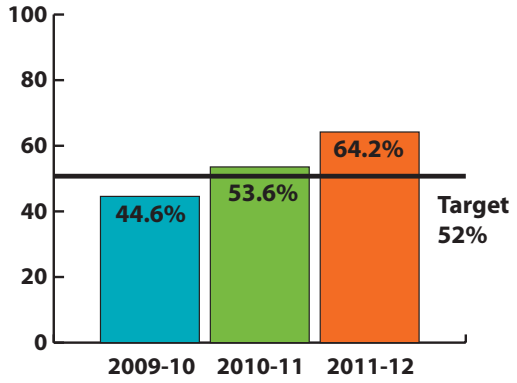
(2S1) Technical Skills Attainment

Student Competency Rate (A)



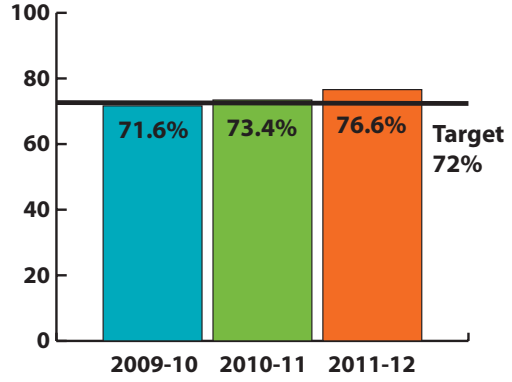
(A) Completers who attained 80% of the essential competencies

Completers Participating in Credentialing Tests (B)



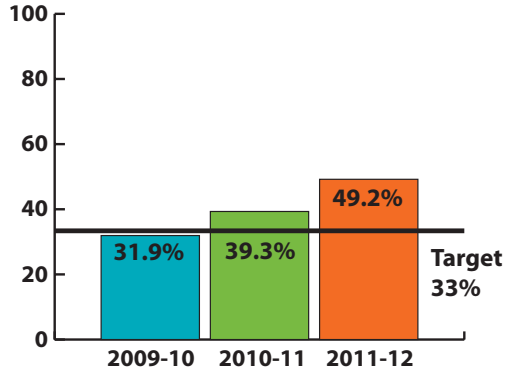
(B) Completers who participated in one or more Board-approved credentialing test(s)

Test Takers Passing Credentialing Test (C)



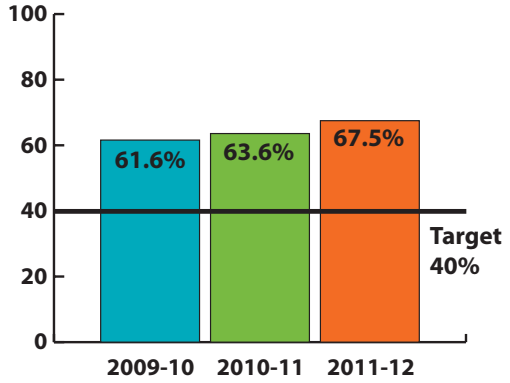
(C) Not all CTE Complters participate in the externally validated credentialing test. There are age restrictions set by certain credentialing entities which would prohibit the student from testing until after high school. The cost of external credentialing tests range from $9 to $155 per test or an approximate average cost of $54 per test.

Completers Passing Credentialing Test (D)



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

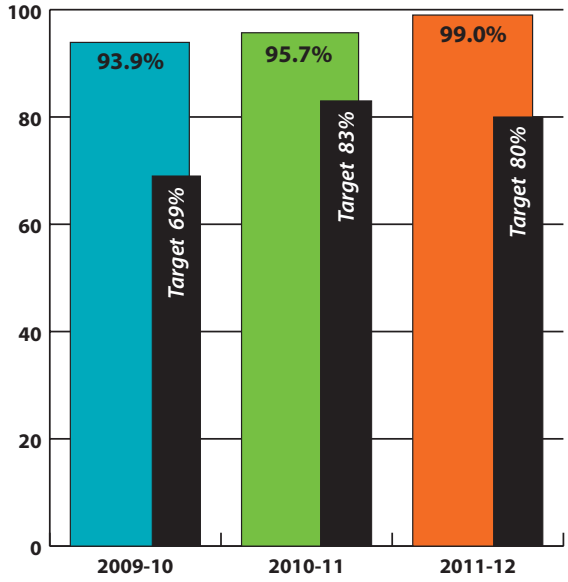
College and Career Readiness (E)



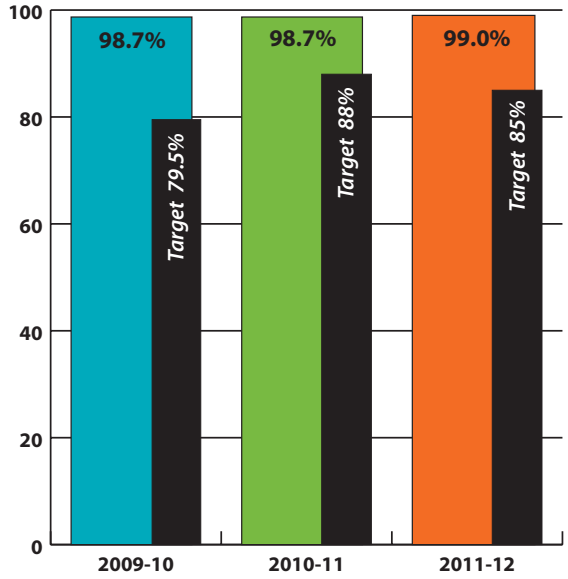
(E) Completers who passed a credential test plus Completers who earned an Advanced Studies Diploma and did not pass a credentialing test

Information indicator *- 16.4% of Completers (6,786 of 41,329) earned an Advanced Studies Diploma and passed a credentialing test*

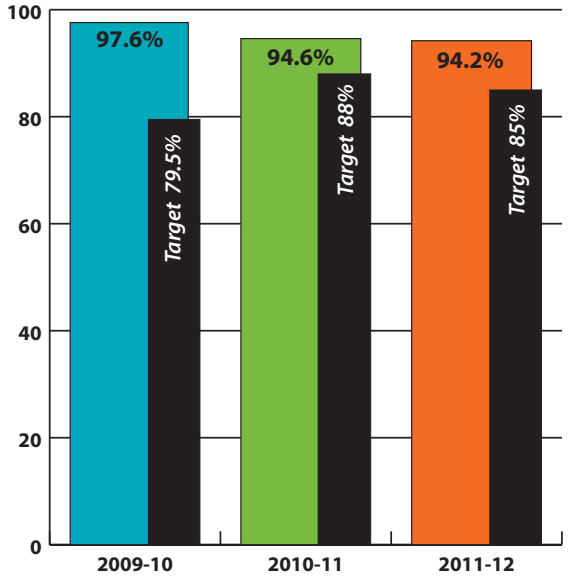
(4S1) Graduation Rate



(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.

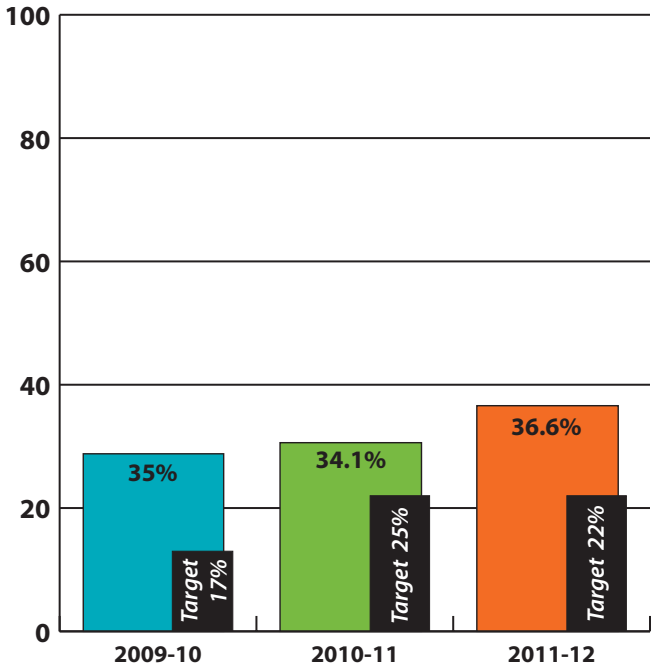
For three consecutive years, more than 94% of Completers surveyed indicated successful transition after high school graduation, which exceeded the transition targets.

2009-10 *--74.8% of Completers (28,743 of 38,419) responded to the CTE follow-up survey, which met the 75% response rate target*

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*

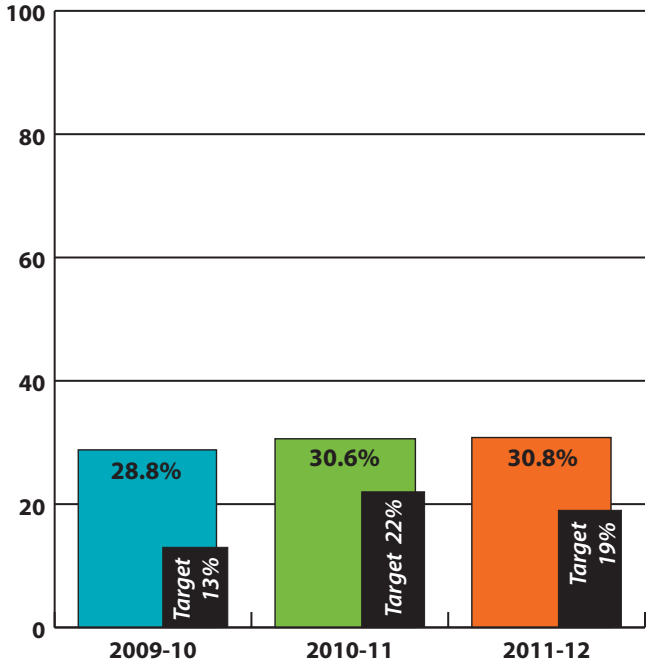
2011-12 *-- 76.5% of Completers (31,603 of 41,329) responded to the CTE follow-up survey, which exceeded the 75% response rate target*

(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%*

2011-2012 Statewide Performance Summary of CTE Completers by Division

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1 85%	4S1 80%	5S1 85%	6S1 22%	6S2 19%
	1S1 94%	1S2 84%	2S1a 81%	2S1b 52%	2S1c 72%	2S1d 33%	2S1e 40%					
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	√	√	√	√	√	√	√	√	√	√	√	√
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 2011-2012 Performance Standards.

• Did not meet Performance Standard for 2011-2012

– N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1 85%	4S1 80%	5S1 85%	6S1 22%	6S2 19%
	1S1 94%	1S2 84%	2S1a 81%	2S1b 52%	2S1c 72%	2S1d 33%	2S1e 40%					
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 2011-2012 Performance Standards.

• Did not meet Performance Standard for 2011-2012

– N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1 85%	4S1 80%	5S1 85%	6S1 22%	6S2 19%
	1S1 94%	1S2 84%	2S1a 81%	2S1b 52%	2S1c 72%	2S1d 33%	2S1e 40%					
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 2011-2012 Performance Standards.

• Did not meet Performance Standard for 2011-2012

– N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1 85%	4S1 80%	5S1 85%	6S1 22%	6S2 19%
	1S1 94%	1S2 84%	2S1a 81%	2S1b 52%	2S1c 72%	2S1d 33%	2S1e 40%					
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 2011-2012 Performance Standards.

• Did not meet Performance Standard for 2011-2012

– N/A

Division	Performance Measures											
	Academic Attainment		Technical Skills Attainment					3S1 85%	4S1 80%	5S1 85%	6S1 22%	6S2 19%
	1S1 94%	1S2 84%	2S1a 81%	2S1b 52%	2S1c 72%	2S1d 33%	2S1e 40%					
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 2011-2012 Performance Standards.

• Did not meet Performance Standard for 2011-2012

– N/A

Perkins Core Performance Measures
Results and Targets
2011-2012

Workforce Development Services
July 2013

VIRGINIA COMMUNITY COLLEGE SYSTEM
PERFORMANCE ON PERKINS CORE PERFORMANCE STANDARDS AND MEASURES
2011-2012

Overview

Perkins is a federally funded program targeting career and technical skill programs at the secondary and postsecondary levels. The program was initially established in 1963 with the passage of the Vocational Education Act, which was renamed in later authorizations by the program's largest proponent, Carl D. Perkins. In 2007, Perkins III was revamped via legislation to Perkins IV. Perkins IV stresses increased accountability and greater linkages among secondary and postsecondary education and employment.

Goals of the Perkins program include:

- Further developing the academic, career and technical skills of students through high standards;
- Linking secondary and postsecondary career and technical programs;
- Disseminating national research about career and technical education; and
- Providing professional development and technical assistance to career and technical educators.

The Virginia Department of Education is the grant recipient of the Perkins funds for the Commonwealth. The VCCS receives 15 percent of the grant to administer the postsecondary component of the program.

The VCCS is expected to meet established targets each year and to report on the results of the performance measures. Continued Perkins funding is contingent upon achieving targets for each of these measures in future years. Institutions are considered to have met the target if they are within 90 percent of the target.

Results for 2011-12

In 2011-2012, the VCCS exceeded the target for measures 1P1 (technical skills attainment), 2P1 (program completion), and 3P1 (retention and transfer). The VCCS exceeded the 90 percent threshold for measure 5P1 (non-traditional gender representation), but did not meet the 90 percent threshold for measure 4P1 (completion) nor measure 5P2 (non-traditional gender completion). Results by measures are provided in Table 1 below. Compared to the previous year, the VCCS improved its performance on four of the measures but experienced slight decreases in retention and transfer of CTE students and employment of students who exited the CTE programs.

Table 1: VCCS Performance on Perkins Measures

Perkins Performance Measure	Actual 2010-11	Actual 2011-12	Target 2011-12	Diff. Actual vs. Target	Increase from 10-11 to 11-12	90 % of Target	Result
1P1: Technical Skills Attainment	75.5	75.8	74.0	1.8	0.3	66.6	Exceeds Target
2P1: Completion	38.6	41.1	40.5	0.6	1.5	36.4	Exceeds Target
3P1: Retention and Transfer	68.6	67.7	63.0	4.7	-0.9	56.7	Exceeds Target
4P1: Employment	69.0	68.47	76.1	-7.6	-0.5	68.49	Below Target at 90% Threshold
5P1: Non-traditional Gender Representation	17.6	17.9	19.5	-1.6	0.3	17.6	Met Target at 90% Threshold
5P2: Non-traditional Gender Completion	14.7	15.6	18.1	-2.5	0.9	16.3	Below Target at 90% Threshold

The remaining document provides definitions for how the measures are calculated for postsecondary education and how colleges performed in 2011-2012. Definitions and methods for calculating the performance measures are provided in the Appendix.

Individual college performance on the Perkins measures varied in 2011-2012. Table 2 provides data on performance for the 23 community colleges. If the data point is labeled in blue font, then the college did not meet the target for the particular measure. If the data point is labeled in blue font and the cell is shaded, then the college did not meet the target nor did it meet the 90 percent threshold.

Each year, colleges that do not meet the state's target at the 90 percent threshold for any measure are required to develop a plan for improvement of that measure. In FY 2006, VCCS began to require colleges to allocate a portion of their Perkins funds towards the measure(s).

Summary per measure

1P1 Technical Skills: All but five colleges exceeded the target, and all colleges exceeded the 90 percent threshold. The VCCS exceeded the target by 1.8 percentage points.
2P1 Completion: All but five colleges exceeded the target. Three colleges did not meet the 90 percent threshold. The VCCS exceeded the target by 0.6 percentage points.
3P1 Retention and Transfer: All but four colleges exceeded the target, and only one college did not meet the 90 percent threshold. The VCCS exceeded the target by 4.7 percentage points.
4P1 Employment: Only three colleges exceeded the target while 12 colleges did not meet the 90 percent threshold. The VCCS failed to meet the 90 percent threshold by 0.02 percentage points.
5P1 Nontraditional Gender Representation: Only three colleges met the target while 15 colleges did not meet the 90 percent threshold. The VCCS did not meet the target but exceeded the 90 percent threshold.
5P2 Nontraditional Gender Completion: Only three colleges met the target while 15 colleges did not meet the 90 percent threshold. The VCCS failed to meet the 90 percent threshold by 0.7 percentage points.

Summary by target and threshold

- J. Sargeant Reynolds Community College met at least the 90 percent threshold for all performance measures in 2011-12.
- Eight colleges met the 90 percent performance threshold in five of the six measures.
- Only one college, Southwest Virginia Community College, did not meet the 90 percent threshold in at least three of the six measures.
- The non-traditional gender representation and completion measures were the most difficult for colleges to meet. For each measure, 15 of the 23 colleges were unable to meet the 90 percent threshold, while only three colleges exceeded the targets set for the measures.
- Despite improvement over the previous year in four of the six measures, the VCCS failed to meet the performance threshold in two measures in 2011-12 (compared to one measure in 2010-11).

TABLE 2: INDIVIDUAL PERFORMANCE FOR VCCS COMMUNITY COLLEGES 2011-2012								
	1P1	2P1	3P1	4P1	5P1	5P2	# Did not meet Target	# Did not meet 90%
	Technical Skills	Completion	Retention and Transfer	Employment	Non-traditional Gender Rep.	Non-traditional Gender Completion		
Target	**74.0**	**40.5**	**63.0**	**76.1**	**19.5**	**18.1**	XX.X	XX.X
90% of Target	**66.6**	**36.4**	**56.7**	**68.49**	**17.6**	**16.3**		
Blue Ridge	79.4%	50.1%	67.5%	74.7%	17.4%	6.5%	3	2
Central Virginia	78.8%	51.1%	63.8%	73.0%	19.1%	14.2%	3	1
Dabney S. Lancaster	72.9%	44.3%	62.7%	68.1%	23.1%	23.7%	3	1
Danville	72.5%	49.5%	66.5%	64.3%	14.3%	14.8%	4	3
Eastern Shore	75.3%	47.5%	67.9%	68.8%	5.3%	7.7%	3	2
Germanna	74.7%	39.5%	69.4%	70.4%	17.3%	16.4%	4	1
J. Sargeant Reynolds	78.7%	39.1%	69.1%	77.8%	20.0%	16.7%	2	0
John Tyler	77.9%	40.7%	72.4%	75.3%	16.4%	17.0%	3	1
Lord Fairfax	80.5%	48.8%	69.3%	72.5%	11.6%	7.9%	3	2
Mountain Empire	76.6%	46.2%	60.0%	54.8%	15.6%	11.5%	4	3
New River	70.8%	46.0%	68.2%	77.1%	14.8%	11.4%	3	2
Northern Virginia	74.7%	41.2%	68.7%	66.5%	19.4%	16.8%	3	1
Patrick Henry	79.6%	51.2%	67.5%	66.0%	16.6%	11.1%	3	3
Paul D. Camp	79.0%	45.7%	70.2%	65.6%	17.5%	12.0%	3	3
Piedmont	75.8%	45.4%	70.1%	64.8%	16.1%	13.5%	3	3
Rappahannock	80.7%	56.7%	67.8%	63.4%	9.7%	10.1%	3	3
Southside Virginia	77.0%	42.3%	60.0%	65.6%	17.4%	15.1%	4	3
Southwest Virginia	80.2%	34.4%	52.5%	59.1%	18.0%	15.8%	5	4
Thomas Nelson	68.8%	34.1%	67.1%	72.9%	18.3%	17.7%	5	1
Tidewater	75.5%	30.9%	68.3%	63.8%	18.0%	20.6%	3	2
Virginia Highlands	79.2%	48.8%	69.0%	56.0%	11.0%	6.7%	3	3
Virginia Western	73.0%	42.4%	70.3%	78.0%	21.2%	14.5%	2	1
Wytheville	81.8%	57.8%	67.7%	73.3%	17.3%	19.7%	2	1
VCCS	**75.8**	**41.1**	**67.7**	**68.47**	**17.9**	**15.6**	**3**	**2**

Employment is based on student matches with Virginia Employment Commission records and does not include self-employment, employment with the federal government/military, or employment in another state. Therefore, rates tend to be lower in areas with military bases, large federal employers or with colleges bordering other states.

Appendix

Method of Calculating Postsecondary Perkins Performance Measures

Performance measures are calculated based on three different classifications of students: participants, concentrators and completers. The following is a definition for each classification:

- Participant: A student who has declared a career and technical education (CTE) major and is enrolled in courses during the reporting year
- Concentrator: A participant who has earned 12 or more degree-bearing credits
- Completer/graduates: A concentrator who earned a credential or a degree (graduated) during the reporting year.

Method of Calculating Postsecondary Perkins Performance Measures	
Measure	**Method**
1P1: Technical Skills Attainment	*Technical skills attainment measures the percentage of CTE students who earn a GPA or 2.5 or greater.* **Numerator:** Number of CTE concentrators who accumulate a GPA of 2.5 or greater during the reporting year. **Denominator:** Number of CTE concentrators during the reporting year.
2P1: Completion	*Completion measures the percentage of career and technical completers/graduates of those students leaving postsecondary education.* **Numerator:** Number of completers, who in the reporting year earned a degree, a certificate, or an industry-recognized credential. **Denominator:** Number of CTE concentrators in the reporting year who left postsecondary education (graduated or did not return to postsecondary education).
3P1: Retention/Transfer	*Retention and transfer is a measure of students who are retained in community college or transfer to college/university one year later.* **Numerator**: Number of CTE concentrators who, after one-year, re-enrolled at a VCCS college or transferred to another college or university. **Denominator:** Number of CTE concentrators enrolled during the reporting year less graduates.
4P1: Employment	*Employment is a measure of the percentage of graduates who are employed 6 months after graduation.* **Numerator:** Number of CTE completers who were employed during the September-December time period following graduation. **Denominator:** Number of CTE completers in the reporting year.
5P1: Nontraditional Participation	*Non-traditional participation is measure of the percentage of gender minority enrollments in CTE programs that are related to occupations identified as gender under-represented* (less than 25% minority employment, U.S. Census Household Survey). **Numerator:** Number of minority gender students who enrolled in a gender under-represented CTE program. **Denominator:** Total number of students enrolled in a gender under-represented CTE program.
5P2: Nontraditional Completion	*Non-traditional completion is measure of the percentage of gender minority graduates from CTE programs that are related to occupations identified as gender under-represented* (less than 25% minority employment, U.S. Census Household Survey). **Numerator:** Number of minority gender students who graduated from gender under-represented CTE programs. **Denominator:** Total number of students graduating from gender under-represented CTE programs.

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