



Community Colleges Generally Are Consistent in Awarding College Credit for Certificate Programs

at a glance

In recent years, Florida community colleges have partnered with school district technical centers to develop agreements allowing students with postsecondary adult vocational certificates to receive credit towards associate in science (AS) or associate in applied science (AAS) degrees. There are now more than 400 of these agreements across Florida. While community colleges vary on how many college credits they award under these agreements, this variation can largely be attributed to differences in the types of college degrees the certificate programs articulate into.

In 2006, the Department of Education worked with community colleges and technical centers to develop 47 statewide certificate to AS or AAS articulation agreements. Under these agreements, community colleges must accept a minimum amount of credit for the certificates, regardless of the technical center granting them. The credit hours awarded by the original statewide agreements generally fall into the range of credit hours awarded by the existing local agreements. Community colleges awarding fewer credit hours than the state guidelines plan to increase these credits to the state minimum, while those colleges awarding more credit hours than the statewide agreements do not plan to reduce the amount of credit they currently award.

Scope

As directed by the Legislature, this report examines local and state articulation agreements that allow students with postsecondary adult vocational certificates to receive credit toward associate in science (AS) or associate in applied science (AAS) degrees. The report addresses five questions.

- How many technical centers and community colleges have local articulation agreements?
- Do community colleges award varying amounts of credit for the same type of certificate programs?
- What statewide articulation agreements exist and are in development?
- How do the original state agreements compare to the existing local agreements?
- How will community colleges respond to the statewide agreements?

To answer these questions, OPPAGA surveyed all 28 community colleges and 43 technical centers to identify and analyze all local articulation agreements.

Background

Florida's technical centers, adult education centers, high school career academies, and community colleges offer a variety of workforce certificate programs. These programs train students for specific occupations and include the associate in science degree, associate in applied science degree, college credit certificate, applied technology diploma, postsecondary adult vocational certificate, and apprenticeship programs. Appendix A, Table A-1, provides an overview of Florida's workforce certificate and degree programs.

This study focuses on articulation from postsecondary adult vocational certificate programs at technical centers to associate in science or associate in applied science degrees at community colleges.

Postsecondary adult vocational programs. Postsecondary adult vocational programs are designed to prepare students for specific occupations and historically have not led to college degree programs. These certificate programs are available in each of the state's 43 technical centers. Most community colleges (26) also offer postsecondary adult vocational programs; these programs are typically aligned with the community colleges' AS or AAS curricula.^{1,2} See Appendix A, Tables A-2 and A-3, for a complete list of Florida technical centers and community colleges offering postsecondary adult vocational programs.

These certificate programs cover occupations ranging from licensed practical nursing to landscape management. According to the department, technical centers offer 242 postsecondary adult vocational certificate programs, while community colleges offer 116 programs. In the 2005-06 school year, 14,309 students completed these programs at technical centers, while 12,450 students completed the programs at community colleges.³ See Appendix A, Tables A-2 and A-3, for the number of students completing a postsecondary adult vocational certificate at a technical center or community college.

Local articulation agreements. In recent years, community colleges have partnered with technical centers to develop agreements allowing students with postsecondary adult vocational certificates to receive credit toward associate in science or associate in applied science degrees.

Most of these agreements are between institutions located in the same geographic area. As a result, it has been difficult for students to transfer credit if they obtain certificates from a technical center located in a different part of the state.

Statewide articulation agreements. To address this problem, s. 1007.23(3), *Florida Statutes*, gives the State Board of Education the authority to establish statewide articulation agreements. The Department of Education has worked with technical center and community college staff to develop 47 statewide agreements. Under these agreements, community colleges must accept a minimum amount of credit for students with certificates covered by the agreement, regardless of the technical center granting the certificates. In February 2006, the Articulation Coordinating Committee approved 13 of these statewide agreements, which went into effect the fall of 2006.⁴ The Articulation Coordinating Committee recently approved 27 agreements and revised 3 existing state agreements in February 2007.⁵ See Appendix B for a complete listing of statewide agreements.

Both the local and statewide articulation agreements require students to demonstrate certain competencies before they will award credit for vocational certificate programs. Students can demonstrate these competencies through various mechanisms such as passing licensure or industry certification examinations or successfully completing a certain number of courses at the community college.

¹ Additionally, some certificate courses are offered at district high schools and adult education facilities.

² All 28 community colleges offer a college credit certificate. See Appendix A, Table A-1, for an overview of certificate programs.

³ The Department of Education defines a certificate completer as a student who completes a terminal occupational completion point and passes basic skills assessment. This definition is the standard used for federal reporting.

⁴ The Articulation Coordinating Committee is appointed by and reports to the Commissioner of Education. The State Board of Education administrative rule 6A-10.024 delineates the authority for the committee to determine these articulation agreements.

⁵ The remaining seven state agreements could articulate into BS degrees at state universities. The department plans to review these agreements with university faculty, community college faculty, and technical faculty, to ensure all stakeholders approve of the agreements before sending them to the Articulation Coordinating Committee for approval.

Questions and Answers—

How many technical centers and community colleges have local certificate articulation agreements?

Twenty-one community colleges and 35 technical centers reported 493 local articulation agreements covering 89 different certificate programs.⁶ The remaining seven community colleges and eight technical centers reported no local articulation agreements.^{7,8} However, five of the seven community colleges with no local articulation agreements serve as the area technical center and have policies for students at their institution to advance from a certificate to an associate degree.⁹ Exhibit 1 illustrates the location of community colleges and technical centers and their articulation agreement status.

Do community colleges award varying amounts of credit for the same type of certificate programs?

While community colleges vary in the number of credit hours they award to students who hold the same vocational certificates, most of this variation is explained by differences in the types of college degrees the students subsequently seek at the community colleges.¹⁰

⁶ OPPAGA classified a local agreement by matching responses from the community college and technical center by certificate program, institution, and credit amount. There were several local agreements that articulated with multiple AS or AAS degree programs. In these cases, we separated the agreements into a separate career path, so one certificate articulates with one degree. See Appendix C for a complete listing of local articulation agreements reported to OPPAGA.

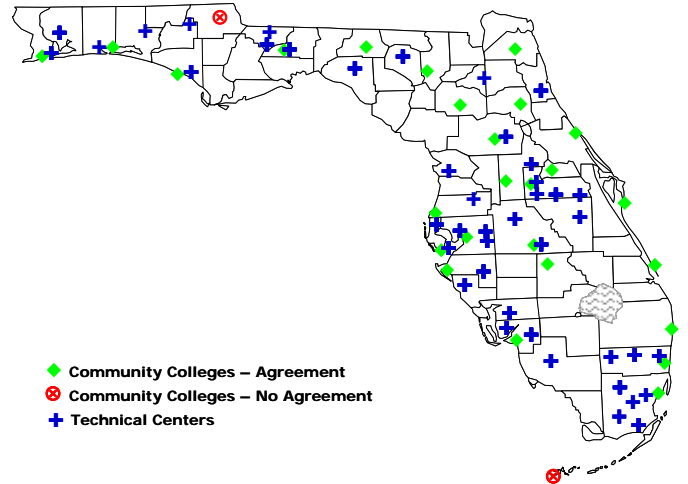
⁷ Chipola College and Florida Keys Community College have no local articulation agreements with a district technical center. The remaining five colleges serve as their local technical center. See Appendix C for more details.

⁸ Bradford Union Technical Center, Gadsden Technical Institute, Learey Technical Center, Marchman Educational Center, Okaloosa Applied Technical Center, Washington Holmes Technical Center, and Walton County Vocational Center reported no local articulation agreements with a community college. Florida Fire College is reported under local articulation agreements as Mid-Florida Technical Center.

⁹ Daytona Beach Community College, Indian River Community College, Lake City Community College, Palm Beach Community College, and South Florida Community College reported no local articulation agreements but serve as the area technical centers for their school districts. See Appendix C for more details.

¹⁰ In order to compare the amount of credit awarded through a local articulation agreement, OPPAGA used the maximum amount of credit a community college would award for an individual certificate.

Exhibit 1
Most Community Colleges and Technical Centers Have Local Articulation Agreements or Arrangements



Source: DOE and OPPAGA Articulation Survey results.

Some students enroll in AS or AAS programs that directly relate to the vocational certificate they hold, while others enroll in associate degree programs that have more divergent course requirements. For example, coursework required for a certificate in automotive service technology would cover more subjects applicable to the requirements of an automotive management AS degree than to the requirements for a business administration AS degree. Consequently, community colleges award more credits to automotive service technology certificate holders who are seeking an automotive management AS degree than they award to these certificate holders working towards a business administration AS degree.

Differences in vocational certificate to AS/AAS degree paths account for much of the variation in the credit issued through local articulation agreements. Most degree paths have a variation of three or fewer credit hours. Only 7% of all degree paths have a variation of six or greater credit hours.

However, as shown in Exhibit 2, the amount of credit community colleges award for technical center certificates varies by six or more credit hours in 16 career paths, including practical nursing certificates articulating into nursing associate degrees and law enforcement officer certificates articulating into criminal justice technology associate degrees. According to community college officials, this variation occurs primarily for two reasons.

- Some graduates from some certificate programs may meet external requirements, such as professional licensure or industry certification, while others do not.
- Some certificate programs may be better aligned with AS or AAS programs than others.

Some certificate holders have other credentials. Variation in the number of credit hours community colleges award occurs when some certificate program graduates have more credentials than other graduates of the same program. These additional credentials include but are not limited to items such as industry certification or professional licensure. The 16 career paths with the most variation listed in Exhibit 2 almost all involve licensure or industry

certification. For example, the degree path from the Automotive Service Technology certificate to the Automotive Service Management Technology AAS path has one of the highest amounts of variation in the credit hours awarded to certificate holders. This occurs because certificate holders in automotive service technology may earn several different types of industry certification, ranging from basic to advanced. Community colleges award varying number of credit hours for these different industry certifications.

Variation in certificate program curricula. A second factor explaining variation is differences in certificate program curricula.¹¹ Several community colleges report that their faculty work closely with the faculty of technical centers in their areas to familiarize themselves with the type of education and competencies certificate holders have when they transfer into college. The institutions also may coordinate their curricula to facilitate articulation. When this occurs, the colleges are often willing to grant more credit hours to certificate holders from the technical centers they work with.

¹¹ Although certificate programs are based on standard curriculum frameworks, there is minor variation in the instruction delivery.

**Exhibit 2
Community Colleges Vary Considerably in the Amount of Credit they Award in 16 Degree Paths**

Certificate (PSAV)	CC Program	Award Type	Minimum Credits	Maximum Credits	Number of Cases	Credit Difference
Fire Fighter II	Fire Science Technology	AAS	3	30	3	27
Fire Fighter II	Fire Science Technology	AS	3	30	5	27
Automotive Service Technology	Automotive Service Management Technology	AAS	24	46	6	22
Law Enforcement Officer	Criminal Justice Technology	AAS	6	28	6	22
Commercial Foods and Culinary Arts	Culinary Management	AAS	10	28	2	18
Dental Assisting	Dental Hygiene	AS	6	20	7	14
Practical Nursing	Nursing	AS	7	20	23	13
Administrative Assistant	Office Administration	AAS	3	15	3	12
Correctional Officer	Criminal Justice Technology	AAS	10	22	5	12
Correctional Officer	Criminal Justice Technology	AS	6	16	4	10
Architectural Drafting	Drafting and Design Technology	AS	10	19	6	9
Electronic Technology	Electronics Engineering Technology	AAS	12	20	4	8
Network Systems Administration	Computer Engineering Technology	AS	13	21	2	8
Law Enforcement Officer	Criminal Justice Technology	AS	15	22	4	7
Accounting Operations	Accounting Technology	AS	6	12	6	6
Mechanical Drafting	Drafting and Design Technology	AS	10	16	5	6

Source: OPPAGA Articulation Survey results.

Most community colleges that have articulation agreements with multiple technical centers award the same number of credit hours to all students seeking the same AS or AAS degrees; however, two community colleges award varying numbers of credit hours to students articulating from different technical centers. According to staff representing these community colleges, this variation is due to differences in the coursework required by the certificate programs. For example, Valencia Community College awards students from Westside Technical Center 16 credits and students from Mid-Florida Technical Center 19 credits for a certificate in architectural drafting articulating into a AS degree in drafting and design technology. The difference in credit amounts is due to one technical center offering an additional drafting course under its certificate program that the college can apply to its AS degree in drafting and design.

What statewide articulation agreements exist and which ones are in development?

The Department of Education and representatives from the school district technical centers and community colleges have developed 47 statewide articulation agreements. These agreements specify the minimum amount of credit hours community colleges must award to students on the same postsecondary adult vocational certificate to AAS/AS college degree path; community colleges may award more credit hours than this minimum level. The Articulation Coordinating Committee approved 13 statewide articulation agreements in February 2006.¹² (See Appendix B, Table B-1.) These 13 agreements include the more commonly offered certificate programs, such as nursing, automotive service technology, and administrative assistant, and account for approximately one-third of certificates technical centers award.¹³ Twenty-seven of the remaining 34 agreements and 3 revised agreements, which were developed in May 2006,

¹² According to the Department of Education, of these 13 agreements, only 3 of them have the potential to articulate into a BS degree.

¹³ When approved, the additional 27 statewide articulation agreements plus the 13 approved agreements will account for approximately half of the certificates technical centers award. Some large certificate programs, such as cosmetology, do not have related associate degree programs.

were approved by the Articulation Coordinating Committee in February 2007.¹⁴

How do the original state agreements compare to the existing local agreements?

The credit hours awarded in the 13 original statewide articulation agreements generally fall within the range of credit hours awarded in local agreements.¹⁵ The difference in credit amounts between the state and local agreements is that the statewide agreements resulted from a consensus-building process the department used to determine the minimum amount of credit hours all community colleges would award to graduates of certificate programs. In contrast, the local agreements generally specified the maximum amount of credit an individual community college would award.

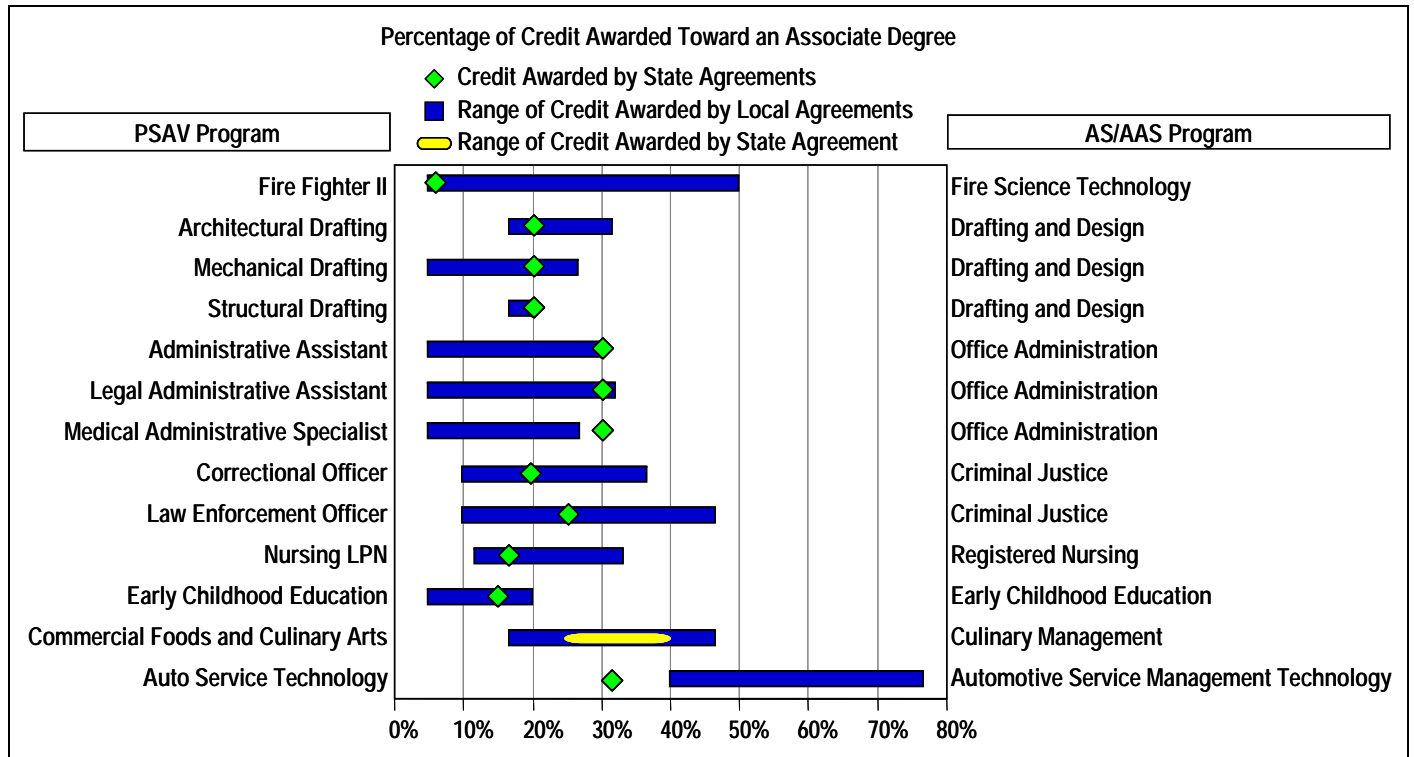
The number of credit hours awarded by the state articulation agreements are lower than that provided by local agreements for 1 degree path, are higher for 1 degree path, and are within the range for the remaining 11 degree paths. Exhibit 3 compares the credit hours awarded through the 13 original statewide agreements to those previously awarded under local articulation agreements. The exhibit shows the percentage of credit typically needed for an associate degree (60 hours) that students could obtain through the articulation agreement.¹⁶ The exhibit also identifies the certificate and AA/AAS programs subject to the agreements, the percentage of credit hours awarded by community colleges through local agreements, and the percentage of credit hours recommended by the statewide agreement.

¹⁴ According to the Department of Education, the remaining seven agreements could articulate into a BS degree at a state university. The department plans to review these agreements with university faculty, community college faculty, and technical faculty, to ensure all stakeholders approve of the agreements before sending them to the Articulation Coordinating Committee for final approval.

¹⁵ The 13 approved state agreements do not distinguish credit between an AS and AAS degree. Therefore, when comparing them to the local agreements we included career paths that articulated with the corresponding AS and AAS degrees.

¹⁶ In order to calculate the percentage of credit applied to degree, we used 60 credit hours as the standard for all associate degree programs. There are degree programs that require more than 60 credit hours, however, this chart is intended to illustrate the variation in the local and statewide agreements rather than the precise percentage of credit awarded.

Exhibit 3
The Statewide Articulation Agreements Vary in the Percentage of Credits Awarded for Certificate Programs



Source: OPPAGA Articulation Survey results and analysis of Statewide Articulation Agreements.

How will community colleges respond to the statewide agreements?

As required, all the community colleges we contacted that award fewer credits than the statewide articulation agreements plan to increase the credit they award to the amount in the statewide agreements. Similarly, the seven community colleges without local articulation agreements are planning to implement the statewide agreements for the courses they offer. In contrast, the schools we contacted that award more credit than specified in the statewide agreements reported that they will not reduce the amount of credit they award under their local agreement. Thus the statewide agreements should increase the credit some colleges award, but will not lower the credit others currently award under their local agreements.

Agency Response

In accordance with the provisions of s. 11.51(5), *Florida Statutes*, a draft of our report was submitted to the Commissioner of Education to review and respond. The Commissioner’s written response is reprinted herein in Appendix D.

Appendix A

Overview of Workforce Education Programs

Florida’s technical centers and community colleges offer a variety of workforce education programs, including two degree programs and four certificate programs. Table A-1 provides an overview of these workforce degree and certificate programs.

**Table A-1
Florida’s Technical Centers and Community Colleges Offer Six Types of Workforce Certificate and Degree Programs**

Workforce Education Programs	Program Description	College Credit	Offered by Community Colleges	Offered by Technical Centers
Career Education Programs - Degrees and College Credit				
Associate in Science Degree (AS)	The associate in science degree (AS) is a career and technical education degree intended to prepare students for employment or transfer into a baccalaureate degree. General education courses taken as part of the AS degree are transferable to a state university. Students must complete at least 60 college credits in a specific field.	X	X	
Associate in Applied Science Degree (AAS)	The associate in applied science degree (AAS) is a program consisting of college level courses intended to prepare students for entry into a specified field of employment. Students must complete at least 60 college credits and other specified performance requirements.	X	X	
College Credit Certificate (PSVC)	The college credit (postsecondary vocational) certificate consists of less than 60 credit hours of college-level technical courses that are part of an associate in science degree or an associate in applied science degree. A stand alone certificate may be awarded upon successful completion of the program.	X	X	
Applied Technology Diploma (ATD)	An applied technology diploma (ATD) is an occupational training program consisting of either career and technical education credit or college credit. If offered by a community college, the ATD is guaranteed to transfer to an AAS or AS degree for a period of three years following the award of the diploma. An ATD is less than 60 credit hours, is approximately 50% of the technical component (non-general education) of the AAS or AS, and leads to employment in a specific occupation.	X	X	X
Career Education Programs - Certificates				
Postsecondary Adult Vocational Certificate (PSAV)	Postsecondary Adult Vocational Certificate programs consist of non-college-level technical courses designed to prepare students for entry into employment. A career and technical certificate is awarded upon completion of a certificate program. Completers of certificate programs included in a statewide articulation agreement may transfer to an AAS/AS program.		X	X
Apprenticeship	Apprenticeship training is a combined program of on-the-job training (at least 2,000 hours per year) and related training instruction. The related instruction supplements the on-the job training and varies depending on the occupation. Upon successful completion of the program the student receives an apprenticeship completion certificate. All apprenticeship programs are sponsored by employers.		X	X

Forty-three technical centers and 26 community colleges offer postsecondary adult vocational certificate programs

As shown in Table A-2, most of the state’s technical centers and community colleges offer vocational certificate programs. The table lists the 43 technical centers and 26 community colleges that offer postsecondary adult vocational certificate programs and the number of students who completed certificates during the 2005-06 academic year. In 2005-06, more than 26,000 students completed a postsecondary adult vocational certificate at either a technical center or community college.

**Table A-2
Over 14,000 Students Completed a Certificate (PSAV) in 2005-06 at a Technical Center**

School District	Technical Center	Number of Certificate (PSAV) Completers 2005-06
Bay	Thomas Haney Technical Center	208
Bradford	Bradford-Union Area Vocational Center	143
Broward	Atlantic Technical Center	425
Broward	Sheridan Technical Center	766
Broward	William T. McFatter Vocational-Technical Center	595
Charlotte	Charlotte Technical Center	574
Citrus	Withlacoochee Technical Institute	367
Collier	Lorenzo Walker Institute of Technology	421
Escambia	George Stone Vocational Technical Center	340
Gadsden	Gadsden Technical Institute	24
Hillsborough	D.G. Erwin Technical Center	559
Hillsborough	Henry W. Brewster Technical Center	117
Hillsborough	Learey Technical Center	
Lake	Lake Technical Center	725
Lee	Lee County High Tech Center Central	185
Lee	Lee County High Tech Center North	90
Leon	Lively Area Vocational Technical Center	577
Manatee	Manatee Technical Institute	658
Marion	Marion County Community Tech/Adult Ed. Center	314
Miami-Dade	The English Center	71
Miami-Dade	George T. Baker Aviation	116
Miami-Dade	Lindsey Hopkins Technical Education Center	307
Miami-Dade	Miami Lakes Technical Educational Center	368
Miami-Dade	Robert Morgan Educational Center	299
Okaloosa	Okaloosa Applied Technical Center	141
Orange	Mid-Florida Tech	1,045
Orange	Orlando Tech	524
Orange	Westside Tech, Orange County	156
Orange	Winter Park Tech	168
Orange ¹	Florida Fire College	
Osceola	Technical Education Center of Osceola (TECO)	397
Pasco	Marchman Technical Center	65
Pinellas	Pinellas Technical Education Center-Clearwater	800
Pinellas	Pinellas Technical Education Center-St. Petersburg	268
Polk	Maynard Traviss Career Center	181
Polk	Ridge Technical Center	178
Santa Rosa	Radford Locklin Technical Center	115
Sarasota	Sarasota County Technical Institute	514
St. Johns	First Coast Technical Institute	773
Suwannee	Suwannee-Hamilton Technical Center	160
Taylor	Taylor Technical Institute	140
Walton	Walton County Vocational Technical Center	71
Washington	Washington-Holmes Technical Center	364
Total PSAV Completers 2005-06		14,309²

¹ Florida Fire College’s completers are reported under Mid-Florida Tech’s totals.

² An additional 2,035 students completed a PSAV certificate at an adult vocational center during the 2005-06 academic year. These centers are not involved in statewide or local articulation.

Table A-3
More Than 12,000 Students Completed a Certificate (PSAV) at a Community College in 2005-06

Community College	Number of Certificate (PSAV) Completers 2005-06
Brevard Community College	489
Broward Community College	130
Central Florida Community College	311
Chipola College	290
Daytona Beach Community College	704
Edison College	0
Florida Community College-Jacksonville	2,735
Florida Keys Community College	16
Gulf Coast College	252
Hillsborough Community College	682
Indian River Community College	845
Lake City Community College	544
Lake-Sumter Community College	0
Manatee Community College	0
Miami Dade College	1,276
North Florida Community College	132
Okaloosa-Walton College	85
Palm Beach Community College	1,441
Pasco-Hernando Community College	342
Pensacola Junior College	306
Polk Community College	131
St. Johns River Community College	230
St. Petersburg College	45
Santa Fe Community College	199
Seminole Community College	229
South Florida Community College	260
Tallahassee Community College	415
Valencia Community College	361
Community College Total	12,450

Note: Lake-Sumter and Manatee Community Colleges do not offer PSAV certificate programs. Edison College has one PSAV program in Dental Assisting.

Appendix B

State Articulation Agreements

Section 1007.23(3), *Florida Statutes*, gives the State Board of Education the authority to establish statewide articulation agreements. The State Board delegates the authority to develop articulation agreements to the state’s Articulation Coordinating Committee.¹⁷ In 2005 the Department of Education began developing statewide articulation agreements between postsecondary adult vocational programs and associate in science (AS) and associate in applied science (AAS) degrees. Department staff, technical center representatives, and community college representatives developed agreements for the 13 more common certificate programs across the state. These initial 13 agreements were approved by the Articulation Coordinating Committee in February 2006. In May 2006, stakeholders met once again to develop 34 additional agreements and revise 3 existing agreements. Twenty-seven of these 34 agreements were approved by the Articulating Coordinating Committee in February 2007.

Table B-1 lists the 13 approved statewide articulation agreements, the certificate programs covered by these agreements, the AS/AAS degree the certificate programs articulate with, the college credit amount awarded under the agreement, and the number of students completing the certificate program in 2005-06. Community colleges may award more credits than amount specified in the statewide agreement. Table B-2 lists the remaining 37 agreements recently approved by the Articulation Coordinating Committee and 7 that are still pending.

Table B-1
The Articulation Coordinating Committee First Approved 13 Statewide Articulation Agreements

Certificate Program	AS/AAS Degree	Students Completing Certificate Program in 2005-06 ¹	College Credit Award Amount
Administrative Assistant	Office Administration	168	18
Legal Administrative Specialist	Office Administration	37	18
Medical Administrative Specialist	Office Administration	91	18
Architectural Drafting	Drafting and Design	100	12
Automotive Service Technology	Automotive Service Management Technology	895	19
Commercial Foods and Culinary Arts	Culinary Management	581	15-24 ²
Corrections Officer	Criminal Justice Technology	476	12
Early Childhood Education	Early Childhood Education	195	9
Fire Fighter II	Fire Science	910	3
Law Enforcement Officer	Criminal Justice Technology	394	15
Mechanical Drafting	Drafting and Design	16	12
Practical Nursing	Registered Nursing	1,673	10
Structural Drafting	Drafting and Design	29	12
Total Certificate Completers in 2005-06		5,565	

¹Total number of completers reflects the total at a technical center only.

²The credit amount awarded depends on program accreditation by the American Culinary Federation Foundation. Students receive higher amounts of credit for accredited programs.

Note: Highlighted agreements are those AS degrees that articulate into BS degrees. These three agreements will be reviewed by university, community college, and technical center faculty to review the validation mechanisms for awarding credit by the community college.

¹⁷The Articulation Coordinating Committee is appointed by and reports to the Commissioner of Education. The State Board of Education administrative rule 6A-10.024 delineates the authority for the committee to determine these articulation agreements.

Table B-2
The Department Recently Finalized 27 Articulation Agreements, 7 Are Still Under Review

Certificate Program	AS/AAS Degree	College Credit Award Amount	Students Completing a Certificate Program in 2005-06
Lodging Operations	Hospitality and Tourism Management	9	16
Electrician	Building Construction Technology	3	12
Industrial Electricity	Building Construction Technology	3	0
Plumbing	Building Construction Technology	3	28
Heating, Ventilation, Air-Conditioning	Building Construction Technology	3	237
Building Construction	Building Construction Technology	3	24
Fire Sprinklers	Building Construction Technology	3	0
Carpentry	Building Construction Technology	3	69
Brick and Block Masonry	Building Construction Technology	3	0
Business Computer Programming	Computer Programming and Analysis	15	13
Web Programming	Computer Programming and Analysis	12	9
Web Programming	Internet Services Technology	9	-- ¹
PC Support Services	Computer Information Administration	9	63
Web Design	Internet Services Technology	9	63
Landscape Management	Horticulture and Landscape Technology	6-12	0
Landscape Management	Golf Course Operations	6-12	0
Nursery Management	Horticulture and Landscape Technology	6-12	0
Nursery Management	Golf Course Operations	6-12	0
Sports and Recreation Turf Management	Horticulture and Landscape Technology	6-12	0
Sports and Recreation Turf Management	Golf Course Operations	6-12	0
Electronics Technology	Electronics Engineering Technology	15	51
Computer Systems Technology	Computer Engineering Technology	9	349
Network Systems Administration	Computer Engineering Technology	9	18
Network Systems Administration	Network Services Technology	9	-- ¹
Network Support Services	Network Services Technology	9	22
Network Support Services	Computer Engineering Technology	9	-- ¹
Wireless Telecommunications	Computer Engineering Technology	9	41
Wireless Telecommunications	Network Services Technology	9	-- ¹
PC Support Services	Network Services Technology	6	-- ¹
PC Support Services	Computer Engineering Technology	6	-- ¹
Digital Design	Graphics Technology	9	37
Multimedia Design Technology	Graphics Technology	9	25
Web Design	Graphics Technology	6	-- ¹
Printing and Graphics Communication	Graphics Technology	6	33
Digital Printing Technology	Graphics Technology	6	4
PC Support	Office Administration	6	-- ¹
Electronic Business Enterprises	Office Administration	6	0
Accounting Operations	Office Administration	6	183
Total Certificate Completers in 2005-06			1,346

¹ Total for certificate program is included in another agreement. There are four certificate programs that have agreements by which credits may articulate into multiple AS/AAS degrees.

Notes: Highlighted agreements are those AS degrees that articulate into a BS degrees. These seven agreements will be reviewed by university, community college, and technical center faculty before going to the Articulation Coordinating Committee for final approval. Certificates in Landscape Management, Nursery Management, Sports and Recreation Turf Management were approved as one agreement for each AS/AAS they articulate into.

Appendix C

Local Articulation Agreements 2006

Appendix C lists all local articulation agreements in place as of the fall 2006 that were reported to OPPAGA by community colleges and district technical centers. The agreements are sorted by certificate program and include the following information: the community college program into which the certificate articulates, technical center with certificate program, community college awarding credit, maximum credit hours awarded for certificate, and type of associate degree credit is applied towards (AS or AAS).

Seven community colleges and eight district technical centers reported no local articulation agreements to OPPAGA. Out of the seven community colleges, five (Daytona Beach Community College, Indian River Community College, Lake City Community College, Palm Beach Community College, and South Florida Community College) serve as the area technical center for their school district and have internal policies in place for a student to progress from a certificate to a degree program. The remaining two colleges, Chipola College and Florida Keys Community College, have no local articulation agreements with a district technical center and do not serve as an area technical center. The eight technical centers with no local articulation agreements are Bradford Union Technical Center, Gadsden Technical Institute, Learey Technical Center, Marchman Educational Center, Okaloosa Applied Technical Center, Washington Holmes Technical Center, and Walton County Vocational Center. Florida Fire College is reported under local articulation agreements as Mid-Florida Technical Center.

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Accounting Operations	Accounting Technology	Any	Okaloosa-Walton	6	AS
	Accounting Technology	Mid Florida	Valencia	7	AS
	Accounting Technology	Orlando	Valencia	7	AS
	Accounting Technology	TECO	Valencia	7	AS
	Accounting Technology	Winter Park	Valencia	7	AS
	Accounting Technology	Marion	Central Florida	12	AS
	Accounting Technology	Ridge	Polk	12	AAS
	Accounting Technology	Traviss	Polk	12	AAS
	Business Administration	Any	Okaloosa-Walton	6	AAS
	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lee North	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Business Administration Accounting Option	Manatee	Manatee	15	AAS
	Business Administration and Management	Suwannee-Hamilton	North Florida	6	AAS
	Computer Information Administrator	Manatee	Manatee	15	AAS
	Office Administration	Any	Okaloosa-Walton	6	AAS
	Office Administration	Suwannee-Hamilton	North Florida	6	AAS
	Office Administration	Taylor	North Florida	6	AAS
	Office Administration	Marion	Central Florida	12	AS
Office Systems Technology	Miami Lakes	Miami Dade	9	AS	
Office Systems Technology	Robert Morgan	Miami Dade	9	AS	
Office Systems Technology	The English Center	Miami Dade	9	AS	
Administrative Assistant	Administrative Office Technology	Ridge	Polk	18	AS
	Administrative Office Technology	Traviss	Polk	18	AS
	Business Administration	Charlotte	Edison	12	AS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Administrative Assistant (continued)	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lee North	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Customer Relationship Management	Any	Okaloosa-Walton	12	AAS
	Legal Office Systems	Atlantic	Broward	16	AAS
	Medical Information Coder/Biller Administration	Mid Florida	Valencia	18	AS
	Medical Information Coder/Biller Administration	Orlando	Valencia	18	AS
	Medical Information Coder/Biller Administration	Westside	Valencia	18	AS
	Medical Information Coder/Biller Administration	Winter Park	Valencia	18	AS
	Medical Office Administration	Mid Florida	Valencia	18	AS
	Medical Office Administration	Orlando	Valencia	18	AS
	Medical Office Administration	Westside	Valencia	18	AS
	Medical Office Administration	Winter Park	Valencia	18	AS
	Medical Office Systems	Mcfatter	Broward	16	AAS
	Office Administration	Taylor	North Florida	3	AAS
	Office Administration	Any	Okaloosa-Walton	12	AAS
	Office Administration	First Coast	Florida CC Jacksonville	15	AAS
	Office Administration	Marion	Central Florida	18	AS
	Office Administration	Mid Florida	Valencia	18	AS
	Office Administration	Orlando	Valencia	18	AS
	Office Administration	TECO	Valencia	18	AS
	Office Administration	Westside	Valencia	18	AS
	Office Administration	Winter Park	Valencia	18	AS
	Office Management	Sheridan	Broward	16	AAS
	Office Systems Technology	Miami Lakes	Miami Dade	19	AS
	Office Systems Technology	Robert Morgan	Miami Dade	19	AS
	Office Systems Technology	The English Center	Miami Dade	19	AS
	Advanced Automotive Technology	Automotive Technology-Dealer Specific	Atlantic	Broward	56
Automotive Technology-Dealer Specific		Atlantic	Broward	56	AS
Industrial Management Technology		Brewster	Hillsborough	22	AAS
Air Conditioning, Refrigeration and Heating Technology	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Industrial Management Technology	First Coast	St. Johns River	18	AS
	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	18	AAS
	Industrial Technology-HVAC Option	Lively	Tallahassee	21	AAS
Aircraft Airframe Mechanics	Aviation Maintenance Management	George Baker	Miami Dade	27	AS
	Aviation Maintenance Management	Lively	Florida CC Jacksonville	60	AAS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Industrial Technology-Aviation	Lively	Tallahassee	27	AAS
Aircraft Powerplant Mechanics	Aviation Maintenance Management	Lively	Florida CC Jacksonville	60	AAS
	Business Administration	Lorenzo Walker	Edison	9	AS
Applied Welding Technologies	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Industrial Management Technology	First Coast	St. Johns River	15	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	16	AAS
Architectural Drafting	Architectural Design and Construction Technology	Miami Lakes	Miami Dade	15	AS
	Architectural Design and Construction Technology	Robert Morgan	Miami Dade	15	AS
	Building Construction Technology	Manatee	Manatee	12	AAS
	Building Construction Technology	Sarasota	Manatee	12	AAS
	Civil Engineering	Manatee	Manatee	12	AAS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Architectural Drafting (continued)	Civil Engineering	Sarasota	Manatee	12	AAS
	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lee Central	Edison	10	AS
	Drafting and Design Technology	Lee North	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
	Drafting and Design Technology	Manatee	Manatee	12	AAS
	Drafting and Design Technology	Sarasota	Manatee	12	AAS
	Drafting and Design Technology	Westside	Valencia	16	AS
	Drafting and Design Technology	Mid Florida	Valencia	19	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	24	AAS
Automotive Collision Repair and Refinishing	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	18	AAS
Automotive Service Technology	Automotive Service Management Technology	George Stone	Pensacola	24	AAS
	Automotive Service Management Technology	Locklin	Pensacola	24	AAS
	Automotive Service Management Technology	Atlantic	Broward	35	AAS
	Automotive Service Management Technology	Mcfatter	Broward	35	AAS
	Automotive Service Management Technology	Sheridan	Broward	35	AAS
	Automotive Service Management Technology	Any	Central Florida	42	AS
	Automotive Service Management Technology	Robert Morgan	Miami Dade	44	AS
	Automotive Service Management Technology	First Coast	Florida CC Jacksonville	46	AAS
	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Dealer-Specific Automotive Technology	Manatee	Manatee	38	AAS
	Dealer-Specific Automotive Technology	Sarasota	Manatee	38	AAS
	Industrial Management Technology	First Coast	St. Johns River	24	AS
	Industrial Management Technology	Lindsey Hopkins	Miami Dade	24	AS
	Industrial Management Technology	Miami Lakes	Miami Dade	24	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	24	AAS
	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	24	AAS
	Industrial Technology-Automotive Service	Lively	Tallahassee	24	AAS
	Basic X-Ray Machine Operator	Radiography	Orlando	Valencia	5
Brick and Block Masonry	Business Administration	Lorenzo Walker	Edison	9	AS
Building Construction Technologies	Building Construction Technology	Westside	Valencia	5	AS
	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	14	AAS
Business Computer Programming	Application Programmer	Atlantic	Broward	15	AAS
	Application Programmer	Mcfatter	Broward	15	AAS
	Application Programmer	Sheridan	Broward	15	AAS
	Computer Information Technology	Winter Park	Valencia	15	AS
	Computer Information Technology	TECO	Valencia	16	AS
	Computer Programming and Analysis	Lake	Lake-Sumter	15	AAS
	Computer Programming and Analysis	Winter Park	Valencia	15	AS
	Computer Programming and Analysis	TECO	Valencia	16	AS
	Software Developer	Atlantic	Broward	15	AAS
	Software Developer	Mcfatter	Broward	15	AAS
	Software Developer	Sheridan	Broward	15	AAS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Business Supervision and Management	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lee North	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
Business Technology	Office Administration	Any	Okaloosa-Walton	27	AAS
Cabinetmaking and Millwork	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	16	AAS
Carpentry	Building Construction Technology	TECO	Valencia	5	AS
	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Civil/Surveying Engineering Technology	TECO	Valencia	5	AS
	Drafting and Design Technology	TECO	Valencia	5	AS
	Industrial Management Technology	First Coast	St. Johns River	16	AS
Commercial Art Technology	Business Administration	Lee North	Edison	12	AS
	Graphics Technology	Lindsey Hopkins	Miami Dade	12	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	20	AAS
Commercial Foods and Culinary Arts	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lee North	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Culinary Management	Erwin	Hillsborough	10	AAS
	Culinary Management	Mid Florida	Valencia	15	AS
	Culinary Management	TECO	Valencia	15	AS
	Culinary Management	First Coast	Florida CC Jacksonville	28	AAS
	Hospitality and Tourism Management	Pinellas Clearwater	St. Petersburg	11	AS
	Hospitality and Tourism Management	Lindsey Hopkins	Miami Dade	12	AS
	Hospitality and Tourism Management	Miami Lakes	Miami Dade	12	AS
	Hospitality and Tourism Management	Robert Morgan	Miami Dade	12	AS
	Hospitality and Tourism Management	First Coast	Florida CC Jacksonville	28	AAS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	20	AAS
Restaurant Management	First Coast	Florida CC Jacksonville	28	AAS	
Commercial Photography Technology	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	22	AAS
	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Computer Engineering Technology/Cisco	Winter Park	Valencia	25	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	22	AAS
	Telecommunications Engineering Technology	Pinellas Clearwater	St. Petersburg	9	AS
Correctional Officer	Criminal Justice Technology	Withlacoochee	Central Florida	6	AS
	Criminal Justice Technology	Any	Pasco-Hernando	10	AAS
	Criminal Justice Technology	Manatee	Manatee	12	AAS
	Criminal Justice Technology	Sarasota	Manatee	12	AAS
	Criminal Justice Technology	TECO	Valencia	12	AS
	Criminal Justice Technology	Any	Brevard	15	AS
	Criminal Justice Technology	Any	Seminole	16	AS
	Criminal Justice Technology	Lake	Lake-Sumter	16	AAS
	Criminal Justice Technology	TECO	Valencia	22	AAS
Correctional Probation Officer	Criminal Justice Technology	TECO	Valencia	22	AAS
Cosmetology	Industrial Management Technology	Charlotte	Edison	12	AS
	Industrial Management Technology	Lee Central	Edison	12	AS
	Industrial Management Technology	Lee North	Edison	12	AS
	Industrial Management Technology	Lorenzo Walker	Edison	12	AS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Court Reporting	Office Administration	Winter Park	Valencia	13	AS
	Office Specialist	Erwin	Hillsborough	12	AAS
Culinary Operations	Culinary Management	Marion	Central Florida	12	AS
	Culinary Management	Withlacoochee	Central Florida	12	AS
	Culinary Management	Orlando	Valencia	15	AS
	Culinary Management	Westside	Valencia	15	AS
	Restaurant Management	Atlantic	Broward	9	AAS
	Restaurant Management	Mcfatter	Broward	9	AAS
	Restaurant Management	Sheridan	Broward	9	AAS
Customer Assistance Technology	Computer Information Administrator	Sarasota	Manatee	3	AAS
	Customer Relationship Management	Any	Okaloosa-Walton	9	AAS
	Office Administration	Any	Okaloosa-Walton	9	AAS
Customer Service Representative	Customer Relationship Management	Any	Okaloosa-Walton	9	AAS
	Office Administration	Any	Okaloosa-Walton	9	AAS
Dental Assisting	Dental Hygiene	Manatee	Manatee	6	AS
	Dental Hygiene	Pinellas St. Petersburg	St. Petersburg	6	AS
	Dental Hygiene	Orlando	Valencia	9	AS
	Dental Hygiene	Any	Florida CC Jacksonville	17	AAS
	Dental Hygiene	Lindsey Hopkins	Miami Dade	17	AS
	Dental Hygiene	Miami Lakes	Miami Dade	17	AS
	Dental Hygiene	Robert Morgan	Miami Dade	17	AS
	Dental Hygiene	Any	Santa Fe	20	AS
	Dental Hygiene Bridge	Any	Santa Fe	20	AS
	Industrial Management Technology	Charlotte	Edison	9	AS
	Industrial Management Technology	Lorenzo Walker	Edison	9	AS
Dental Laboratory Technician	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
Dietetic Management Supervision	Dietitic Technology	Lindsey Hopkins	Miami Dade	13	AS
Digital Design	Computer Information Administrator	Marion	Central Florida	12	AS
	Digital/Multimedia Technology	Ridge	Polk	6	AAS
	Graphics Technology	Mid Florida	Valencia	10	AS
	Graphics Technology	Westside	Valencia	10	AS
	Graphics Technology	Sarasota	Manatee	24	AAS
Digital Printing Technology	Graphics Technology	Mid Florida	Valencia	8	AS
Drafting Technologies	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lee Central	Edison	10	AS
	Drafting and Design Technology	Lee North	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
Early Childhood Education	Child Development and Management	Any	Seminole	6	AS
	Child Development and Education	Pinellas Clearwater	St. Petersburg	6	AS
	Child Development and Education	Any	Seminole	9	AS
	Early Childhood Education A.D.	Any	Okaloosa-Walton	9	AAS
	Early Childhood Education A.D.	Atlantic	Broward	9	AS
	Early Childhood Education A.D.	Lake	Lake-Sumter	9	AAS
	Early Childhood Education A.D.	Mcfatter	Broward	9	AS
	Early Childhood Education A.D.	Sheridan	Broward	9	AS
	Early Childhood Education A.D.	Suwannee-Hamilton	North Florida	9	AAS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Early Childhood Education (continued)	Early Childhood Education A.D.	Manatee	Manatee	12	AAS
	Early Childhood Education A.D.	Sarasota	Manatee	12	AAS
	Early Childhood Education A.D.	Withlacoochee	Central Florida	12	AS
EKG Tech	Industrial Management Technology	Lorenzo Walker	Edison	9	AS
Electrical Drafting	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lee Central	Edison	10	AS
	Drafting and Design Technology	Lee North	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
Electricity	Building Construction Technology	Manatee	Manatee	6	AAS
	Building Construction Technology	Sarasota	Manatee	6	AAS
	Business Administration	Lee Central	Edison	12	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	16	AAS
Electronic Drafting	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lee Central	Edison	10	AS
	Drafting and Design Technology	Lee North	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
Electronic System Assembly	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee North	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
Electronic Technology	Biomedical Engineering	Atlantic	Broward	20	AAS
	Biomedical Engineering	Mcfatter	Broward	20	AAS
	Biomedical Engineering	Sheridan	Broward	20	AAS
	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lee North	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Computer Engineering Technology	Atlantic	Broward	20	AAS
	Computer Engineering Technology	Mcfatter	Broward	20	AAS
	Computer Engineering Technology	Sheridan	Broward	20	AAS
	Electronics Engineering Technology	Manatee	Manatee	12	AAS
	Electronics Engineering Technology	Lindsey Hopkins	Miami Dade	15	AS
	Electronics Engineering Technology	Miami Lakes	Miami Dade	15	AS
	Electronics Engineering Technology	Mid Florida	Valencia	15	AS
	Electronics Engineering Technology	Robert Morgan	Miami Dade	15	AS
	Electronics Engineering Technology	Atlantic	Broward	20	AAS
	Electronics Engineering Technology	Mcfatter	Broward	20	AAS
	Electronics Engineering Technology	Sheridan	Broward	20	AAS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	18	AAS
	Emergency Medical Technician (Basic)	Emergency Medical Services	Any	Okaloosa-Walton	11
Emergency Medical Services		Any	St. Johns River	11	AS
Emergency Medical Services		Lake	Lake-Sumter	11	AS
Fire Science Technology		Any	St. Johns River	11	AS
Engineering Technology	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
Family and Consumer Services	Early Childhood Education A.D.	Any	Okaloosa-Walton	9	AAS
Fire Fighter II	Fire Science Technology	Lorenzo Walker	Edison	3	AS
	Fire Science Technology	Any	St. Johns River	3	AS
	Fire Science Technology	Sarasota	Manatee	3	AAS
	Fire Science Technology	Any	Seminole	6	AS
	Fire Science Technology	Any	Central Florida	12	AS
	Fire Science Technology	First Coast	Florida CC Jacksonville	27	AAS
	Fire Science Technology	Lake	Lake-Sumter	30	AAS
	Fire Science Technology	Ridge	Polk	30	AS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Fire Inspector I	Fire Science Technology	Any	St. Johns River	15	AS
Gasoline Engine Service Technology	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
Health Unit Coordinator	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
Heavy Duty Truck and Bus Mechanics	Industrial Management Technology	First Coast	St. Johns River	22	AAS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	22	AAS
	Industrial Management Technology	Robert Morgan	Miami Dade	24	AS
Industrial	Automotive Service Management Technology	Any	Seminole	32	AS
	Building Construction Technology	Any	Seminole	15	AS
Industrial Electricity	Business Administration	Lorenzo Walker	Edison	9	AS
Landscape Management	Landscape and Horticulture Technology	Westside	Valencia	10	AS
Law Enforcement Officer	Criminal Justice Technology	Withlacoochee	Central Florida	6	AAS
	Criminal Justice Technology	Any	Pasco-Hernando	13	AAS
	Criminal Justice Technology	Any	Brevard	15	AS
	Criminal Justice Technology	TECO	Valencia	15	AS
	Criminal Justice Technology	Manatee	Manatee	18	AAS
	Criminal Justice Technology	Sarasota	Manatee	18	AAS
	Criminal Justice Technology	Any	Santa Fe	21	AS
	Criminal Justice Technology	Lake	Lake-Sumter	21	AAS
	Criminal Justice Technology	Any	Seminole	22	AS
	Criminal Justice Technology	TECO	Valencia	28	AAS
Legal Administrative Specialist	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Legal Assisting/Paralegal	Manatee	Manatee	12	AAS
	Legal Assisting/Paralegal	Sarasota	Manatee	12	AAS
	Office Administration	Traviss	Polk	9	AAS
	Office Administration	Brewster	Hillsborough	12	AAS
	Office Administration	TECO	Valencia	15	AS
	Office Administration	Winter Park	Valencia	18	AS
	Office Administration	Atlantic	Broward	19	AS
	Office Administration	Mcfatter	Broward	19	AS
	Office Administration	Sheridan	Broward	19	AS
	Office Management Technology	Atlantic	Broward	19	AS
	Office Management Technology	Mcfatter	Broward	19	AS
	Office Management Technology	Sheridan	Broward	19	AS
Lodging Operations	Hospitality and Tourism Management	Mid Florida	Valencia	9	AS
Machining	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	20	AAS
Marine Service Technology	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Industrial Management Technology	Pinellas Clearwater	St. Petersburg	18	AAS
	Industrial Management Technology	Miami Lakes	Miami Dade	24	AS
Marketing	Business Administration	Manatee	Manatee	6	AAS
	Business Administration	Sarasota	Manatee	6	AAS
Massage Therapy	Business Administration	Lee Central	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Mechanical Drafting	Building Construction Technology	Manatee	Manatee	3	AAS
	Civil Engineering	Manatee	Manatee	3	AAS
	Drafting and Design Technology	Manatee	Manatee	3	AAS
	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lee Central	Edison	10	AS
	Drafting and Design Technology	Lee North	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
	Drafting and Design Technology	Mid Florida	Valencia	16	AS
Medical Administrative Specialist	Administrative Office Technology (Medical Office Administration)	Ridge	Polk	11	AAS
	Administrative Office Technology (Medical Office Administration)	Traviss	Polk	11	AAS
	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Business Administration	Charlotte	Edison	12	AS
	Computer Information Administrator	Sarasota	Manatee	3	AAS
	Medical Information Coder/Biller Administration	Orlando	Valencia	18	AS
	Medical Information Coder/Biller Administration	TECO	Valencia	18	AS
	Medical Information Coder/Biller Administration	Westside	Valencia	18	AS
	Medical Information Coder/Biller Administration	Winter Park	Valencia	18	AS
	Medical Office Administration	Orlando	Valencia	18	AS
	Medical Office Administration	Westside	Valencia	18	AS
	Medical Office Administration	Winter Park	Valencia	18	AS
	Office Administration	Atlantic	Broward	16	AS
	Office Administration	Mcfatter	Broward	16	AS
	Office Administration	Sheridan	Broward	16	AS
	Office Management Technology	Atlantic	Broward	16	AS
	Office Management Technology	Mcfatter	Broward	16	AS
Office Management Technology	Sheridan	Broward	16	AS	
Medical Assisting	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
	Medical Information Coder/Biller Administration	Winter Park	Valencia	15	AS
Medical Coder/Biller	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
Medical Transcription	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
Multimedia and Web Design	Digital/Multimedia Technology	Atlantic	Broward	21	AAS
	Digital/Multimedia Technology	Mcfatter	Broward	21	AAS
	Digital/Multimedia Technology	Sheridan	Broward	21	AAS
	Internet Services Technology	Atlantic	Broward	21	AAS
	Internet Services Technology	Atlantic	Broward	21	AS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Multimedia and Web Design (continued)	Internet Services Technology	Mcfatter	Broward	21	AAS
	Internet Services Technology	Mcfatter	Broward	21	AS
	Internet Services Technology	Sheridan	Broward	21	AAS
	Internet Services Technology	Sheridan	Broward	21	AS
Network Support Services	Cisco CCNP	Atlantic	Broward	22	AAS
	Cisco CCNP	Mcfatter	Broward	22	AAS
	Cisco CCNP	Sheridan	Broward	22	AAS
	Computer Engineering Technology/Cisco	Westside	Valencia	24	AS
	Computer Engineering Technology/Cisco	Winter Park	Valencia	24	AS
	Computer Information Administrator/Network and Security Option	Manatee	Manatee	12	AAS
	Computer Information Administrator/Network and Security Option	Sarasota	Manatee	12	AAS
	Computer Information Technology	George Stone	Pensacola	15	AAS
	Computer Information Technology	Locklin	Pensacola	15	AAS
Network Systems Administration	Computer Engineering Technology	Westside	Valencia	13	AS
	Computer Engineering Technology	Winter Park	Valencia	21	AS
New Media Technology	Digital/Multimedia Technology	Mid Florida	Valencia	6	AS
Nursing Assistant (Long-Term Care)	Nursing	Traviss	Polk	10	AS
Optometric Assisting	Opticianry	Atlantic	Broward	22	AAS
	Opticianry	Mcfatter	Broward	22	AAS
	Opticianry	Sheridan	Broward	22	AAS
Optometric Technician	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
Paramedic	Emergency Medical Services	First Coast	St. Johns River	42	AS
	Emergency Medical Services	Lake	Lake-Sumter	42	AS
	Emergency Medical Services	Any	St. Johns River	43	AS
	Nursing	Any	Brevard	10	AS
PC Support Services	Computer Information Administrator	Sarasota	Manatee	3	AAS
	Computer Information Systems Analysis	Ridge	Polk	3	AS
	Office Administration	Atlantic	Broward	16	AAS
	Office Administration	Mcfatter	Broward	16	AAS
	Office Administration	Sheridan	Broward	16	AAS
	Office Administration	Mid Florida	Valencia	20	AS
	Office Administration	Orlando	Valencia	20	AS
	Office Administration	Westside	Valencia	20	AS
	Office Administration	Winter Park	Valencia	20	AS
Pharmacy Technician	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
Plumbing Technology	Business Administration	Charlotte	Edison	12	AS
	Business Administration	Lee Central	Edison	12	AS
	Business Administration	Lorenzo Walker	Edison	12	AS
	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	12	AAS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Practical Nursing	Nursing	Brewster	Hillsborough	7	AS
	Nursing	Erwin	Hillsborough	7	AS
	Nursing	Any	Brevard	10	AS
	Nursing	Any	Santa Fe	10	AS
	Nursing	Any	Seminole	10	AAS
	Nursing	Any	St. Johns River	10	AS
	Nursing	Charlotte	Edison	10	AS
	Nursing	Lee Central	Edison	10	AS
	Nursing	Lee North	Edison	10	AS
	Nursing	Lorenzo Walker	Edison	10	AS
	Nursing	Any	St. Petersburg	12	AS
	Nursing	Orlando	Valencia	12	AS
	Nursing	TECO	Valencia	12	AS
	Nursing	Withlacoochee	Central Florida	12	AS
	Nursing	Atlantic	Broward	13	AS
	Nursing	Lake	Lake-Sumter	13	AS
	Nursing	Lindsey Hopkins	Miami Dade	13	AS
	Nursing	Mcfatter	Broward	13	AS
	Nursing	Miami Lakes	Miami Dade	13	AS
	Nursing	Robert Morgan	Miami Dade	13	AS
Nursing	Sheridan	Broward	13	AS	
Nursing	Any	Pasco-Hernando	17	AS	
Nursing	Haney	Gulf Coast	17	AS	
Nursing	Any	Okaloosa-Walton	20	AS	
Printing and Graphic Communications	Graphic Arts Technology	Any	Miami Dade	11	AS
Public Service	Criminal Justice Technology	Manatee	Manatee	21	AAS
Refrigeration Technology	Industrial Management Technology	First Coast	St. Johns River	18	AAS
Sports and Recreational Turf Management	Landscape and Horticulture Technology	Westside	Valencia	10	AS
Structural Drafting	Building Construction Technology	Manatee	Manatee	12	AAS
	Civil Engineering	Manatee	Manatee	12	AAS
Structural Drafting (continued)	Drafting and Design Technology	Charlotte	Edison	10	AS
	Drafting and Design Technology	Lee Central	Edison	10	AS
	Drafting and Design Technology	Lee North	Edison	10	AS
	Drafting and Design Technology	Lorenzo Walker	Edison	10	AS
	Drafting and Design Technology	Manatee	Manatee	12	AAS
Surgical Technology	Business Administration	Lee North	Edison	9	AS
	Business Administration	Lorenzo Walker	Edison	9	AS
	Health Services Management	Atlantic	Broward	20	AAS
	Health Services Management	Atlantic	Broward	20	AS
	Health Services Management	Mcfatter	Broward	20	AAS
	Health Services Management	Mcfatter	Broward	20	AS
	Health Services Management	Sheridan	Broward	20	AAS
	Health Services Management	Sheridan	Broward	20	AS
Television Production	Digital Medial Video Production	Pinellas St. Petersburg	St. Petersburg	6	AS
	Digital/Multimedia Technology	Pinellas St. Petersburg	St. Petersburg	6	AS
	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	22	AS
	Radio and TV Broadcast Programming	Miami Lakes	Miami Dade	11	AS
Transportation Futures	Industrial Management Technology	Pinellas St. Petersburg	St. Petersburg	12	AAS
Voice Writing	Office Administration	Winter Park	Valencia	13	AS

PSAV Certificate	Community College Program	Technical Center	Community College (CC)	Credit Hours	Award
Web Design Services	Computer Information Technology	TECO	Valencia	10	AS
	Computer Information Technology	Winter Park	Valencia	12	AS
	Computer Programming and Analysis	TECO	Valencia	10	AS
	Computer Programming and Analysis	Winter Park	Valencia	12	AS
	Digital/Multimedia Technology	Pinellas St. Petersburg	St. Petersburg	7	AS
	Internet Services Technology	Locklin	Pensacola	6	AAS
	Internet Technology	Traviss	Polk	3	AS
Web Programming Services	Computer Information Technology	Winter Park	Valencia	15	AS
	Computer Programming and Analysis	Winter Park	Valencia	15	AS
Wireless Telecommunications	Computer Engineering Technology	TECO	Valencia	36	AS

Appendix D

FLORIDA DEPARTMENT OF EDUCATION



STATE BOARD OF EDUCATION

T. WILLARD FAIR, *Chairman*

Members

DONNA G. CALLAWAY

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Jeanine Blomberg
Commissioner of Education



March 30, 2007

Gary R. VanLandingham, Ph.D.
Director, Office of Program Policy Analysis &
Government Accountability (OPPAGA)
Claude Pepper Building, Room 312
111 W. Madison St.
Tallahassee, FL 32399-1475

Dear Dr. VanLandingham:

Thank you for the opportunity to provide a response to the March 2007 draft report entitled *Community Colleges Generally Are Consistent in Awarding College Credit for Certificate Programs*. At this time, we are not requesting any changes to the draft report beyond those minor issues discussed in the exit conference with Department staff.

The Department of Education appreciates OPPAGA's efforts in this study, which documents the progress that our technical centers and community colleges have made in ensuring that students can transfer Postsecondary Adult Vocational coursework into college credit programs as appropriate.

Sincerely,

A handwritten signature in cursive script that reads "Jeanine Blomberg".

Jeanine Blomberg

JB:

cc: Chancellor J. David Armstrong, Jr.
Chancellor Lucy Hadi
Heather Sherry

The Florida Legislature

Office of Program Policy Analysis and Government Accountability



OPPAGA provides performance and accountability information about Florida government in several ways.

- [OPPAGA publications and contracted reviews](#) deliver program evaluation, policy analysis, and justification reviews of state programs to assist the Legislature in overseeing government operations, developing policy choices, and making Florida government better, faster, and cheaper.
- [Florida Government Accountability Report \(FGAR\)](#) is an Internet encyclopedia, www.oppaga.state.fl.us/government, that provides descriptive, evaluative, and performance information on more than 200 Florida state government programs.
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Jane Fletcher, Staff Director

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