

# Effectiveness Update

## Workforce Education Programs Effectiveness Measures Report for Academic Year 2005-06



### PURPOSE

To prepare students for employment in industry and business.

### INTENDED OUTCOME

1A. Women and minorities will access workforce education programs at rates that reflect the demographics of ACC's service area.

### CRITERION

Based on data from the THECB *Annual Data Profile* and the Texas State Data Center, women and minorities will enroll in workforce education program enrollments in proportions similar (+/- 5%) to their proportions of the college-age service area population.

### RESULTS

This criterion was not met. Female, Black and Other\* students were over-represented and Hispanic students were under-represented in workforce education programs compared to their proportion in the service area college-age population.

### DATA

**Table 1A**  
**Comparison of ACC Service Area College-age Female and Minority Population Proportions to Annual Unduplicated Female and Minority Headcount in Workforce Education Programs Academic Year 2003-04**

Ethnicity	2003 Service Area College Age Population (18 to 44)		ACC Workforce Programs Annual Headcount		±5% of proportion	
	N	%	N	%	Range	Criterion
Women	307,810	47.7	12,140	58%	45.3—50.0%	Above
Black	49,023	7.6	1,992	9.4%	7.2—8.0%	Above
Hispanic	191,871	29.7	4,626	22%	28.2—31.2%	Below
Other*	33,494	5.2	2,320	11%	4.9—5.5	Above

\*Note: The "other" category at ACC includes Asian students, Native American students, International students, and students not identified by ethnicity. The service area data for 2003 are from the Texas State Data Center population estimates (0.5 migration scenario). The category for "other" ethnicities from the Texas State Data Center includes Asians, Native Americans and all other ethnicities not identified above and it may not be directly comparable since ACC figures include international students.

Source: Texas Higher Education Coordinating Board (THECB) *2005 Annual Data Profile, ADP 1-1, 2-1* and Texas State Data Center Population Estimates (0.5 migration scenario)



**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

1C. Access of women and minorities to each workforce education program will not differ significantly from rates that reflect the demographics of ACC's service area.

**CRITERION**

Based on data from the ACC student computer system and the Texas State Data Center, the proportion of women and minorities in each workforce education program is comparable (+/- 5%) to service area demographics for college-age minorities.

**RESULTS**

Of the workforce programs with enrollments in academic year 2003-04, thirteen (26%) programs met this criterion for only one demographic group. No programs met the criterion for all demographic groups.

Women, Blacks, and Other\* students were over-represented in a majority of workforce program enrollments compared to the college-age service area population for 2003. Hispanic students were under-represented in the majority of workforce program enrollments. (See *Table 1B Detail*, next page)

**DATA**

**Table 1B Summary  
Comparison of ACC Service Area College-Age Female and Minority Population Proportions to Annual Unduplicated Female and Minority Headcount in Workforce Education Programs By Program**

Group	Programs Above, Within, Below Criterion Range by Demographic Group					
	Above		Within		Below	
	N	%	N	%	N	%
Female	28	56%	4	28%	18	36%
Black	31	62%	3	6%	16	32%
Hispanic	3	6%	6	12%	41	82%
Other*	39	78%	0	0%	11	22%

Source: Table 1B Detail

**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>	<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>	
<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
<b>10.03.00 GRAPHIC COMMUNICATIONS</b>	69	46	66.7%	4	5.8%	8	11.6%	6	8.7%
		<b>above</b>		<b>below</b>		<b>below</b>		<b>above</b>	
<b>11.01.00 COMPUTER &amp; INFORMATION SCIENCES, GENERAL</b>	219	92	42.0%	27	12.3%	42	19.2%	31	14.2%
		<b>below</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>11.02.00 COMPUTER PROGRAMMING</b>	719	201	28.0%	57	7.9%	134	18.6%	147	20.4%
		<b>below</b>		<b>within</b>		<b>below</b>		<b>above</b>	
<b>11.09.00 Computer Systems Networking and Telecommunications</b>	238	49	20.6%	22	9.2%	57	23.9%	35	14.7%
		<b>below</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>12.05.00 CULINARY ARTS &amp; RELATED SERVICES</b>	187	93	49.7%	15	8.0%	41	21.9%	20	10.7%
		<b>within</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>15.03.00 ELECTRICAL &amp; ELECTRONIC ENGINEERING-RELATED TECHNOLOGY</b>	722	126	17.5%	46	6.4%	193	26.7%	138	19.1%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>	
<b>15.05.00 ENVIRONMENTAL CONTROL TECHNOLOGIES</b>	172	14	8.1%	10	5.8%	51	29.7%	8	4.7%
		<b>below</b>		<b>below</b>		<b>within</b>		<b>below</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures

**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>	<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>		
<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%	
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%	
<hr/>										
<b>15.07.00 QUALITY CONTROL &amp; SAFETY TECHNOLOGIES</b>	15	10	66.7%	1	6.7%	3	20.0%	1	6.7%	
		<b>above</b>		<b>below</b>		<b>below</b>		<b>above</b>		
<hr/>										
<b>15.11.00 MISCELLANEOUS ENGINEERING-RELATED TECHNOLOGIES</b>	43	9	20.9%	2	4.7%	7	16.3%	1	2.3%	
		<b>below</b>		<b>below</b>		<b>below</b>		<b>below</b>		
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<b>15.13.00 DRAFTING/DESIGN ENGINEERING TECHNOLOGIES/TECHNICIAN</b>	564	150	26.6%	27	4.8%	142	25.2%	111	19.7%	
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>		
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<b>16.16.00 AMERICAN SIGN LANGUAGE</b>	147	130	88.4%	17	11.6%	28	19.0%	4	2.7%	
		<b>above</b>		<b>above</b>		<b>below</b>		<b>below</b>		
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<b>19.07.00 INDIVIDUAL &amp; FAMILY DEVELOPMENT STUDIES</b>	969	914	94.3%	127	13.1%	248	25.6%	59	6.1%	
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>		
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<b>22.03.00 LEGAL SUPPORT SERVICES</b>	318	262	82.4%	49	15.4%	90	28.3%	23	7.2%	
		<b>above</b>		<b>above</b>		<b>within</b>		<b>above</b>		
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<b>23.11.00 ENGLISH TECHNICAL &amp; BUSINESS WRITING</b>	76	40	52.6%	8	10.5%	13	17.1%	7	9.2%	
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>		

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures

**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>	<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>	
<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
<b>31.05.00 HEALTH &amp; PHYSICAL EDUCATION/FITNESS</b>	110	50	45.5%	11	10.0%	20	18.2%	6	5.5%
		<b>within</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>41.01.00 BIOLOGICAL TECHNOLOGIES</b>	120	58	48.3%	11	9.2%	26	21.7%	15	12.5%
		<b>within</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>43.01.00 CRIMINAL JUSTICE &amp; CORRECTIONS</b>	237	148	62.4%	56	23.6%	86	36.3%	9	3.8%
		<b>above</b>		<b>above</b>		<b>above</b>		<b>below</b>	
<b>43.01.07 CRIMINAL JUSTICE/POLICE SCIENCE</b>	716	301	42.0%	79	11.0%	252	35.2%	28	3.9%
		<b>below</b>		<b>above</b>		<b>above</b>		<b>below</b>	
<b>43.02.00 FIRE PROTECTION</b>	75	3	4.0%	0	0.0%	14	18.7%	2	2.7%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>below</b>	
<b>43.02.03 FIRE SCIENCE/FIREFIGHTING</b>	96	10	10.4%	3	3.1%	16	16.7%	3	3.1%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>below</b>	
<b>44.00.00 HUMAN SERVICES, GENERAL</b>	109	81	74.3%	14	12.8%	24	22.0%	9	8.3%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures

**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>	<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>	
<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
<b>46.02.00 CARPENTERS</b>	193	34	17.6%	17	8.8%	47	24.4%	8	4.1%
		<b>below</b>		<b>above</b>		<b>below</b>		<b>below</b>	
<b>47.04.00 MISCELLANEOUS MECHANICS &amp; REPAIRERS</b>	20	12	60.0%	2	10.0%	1	5.0%	3	15.0%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>47.06.00 VEHICLE &amp; MOBILE EQUIPMENT MECHANICS &amp; REPAIRERS</b>	26	2	7.7%	1	3.8%	4	15.4%	3	11.5%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>	
<b>47.06.04 AUTOMOBILE/AUTOMOTIVE MECHANICS TECHNOLOGY/TECHNICIAN</b>	330	22	6.7%	22	6.7%	76	23.0%	42	12.7%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>	
<b>48.05.08 WELDING TECHNOLOGY/WELDER</b>	238	62	26.1%	13	5.5%	30	12.6%	13	5.5%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>	
<b>50.04.00 DESIGN &amp; APPLIED ARTS</b>	505	219	43.4%	29	5.7%	99	19.6%	60	11.9%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>	
<b>50.04.06 COMMERCIAL PHOTOGRAPHY</b>	335	221	66.0%	9	2.7%	66	19.7%	28	8.4%
		<b>above</b>		<b>below</b>		<b>below</b>		<b>above</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures

**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>	<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>	
<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
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<b>50.09.00 MUSIC</b>	210	55	26.2%	24	11.4%	48	22.9%	8	3.8%
		<b>below</b>		<b>above</b>		<b>below</b>		<b>below</b>	
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<b>51.06.00 DENTAL SERVICES</b>	50	47	94.0%	7	14.0%	15	30.0%	7	14.0%
		<b>above</b>		<b>above</b>		<b>within</b>		<b>above</b>	
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<b>51.07.00 HEALTH &amp; MEDICAL ADMINISTRATIVE SERVICES</b>	63	57	90.5%	20	31.7%	16	25.4%	6	9.5%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
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<b>51.08.03 OCCUPATIONAL THERAPIST ASSISTANT</b>	57	52	91.2%	4	7.0%	17	29.8%	4	7.0%
		<b>above</b>		<b>below</b>		<b>within</b>		<b>above</b>	
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<b>51.08.05 PHARMACY TECHNICIAN/ASSISTANT</b>	120	79	65.8%	14	11.7%	32	26.7%	28	23.3%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
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<b>51.08.06 PHYSICAL THERAPIST ASSISTANT</b>	243	167	68.7%	28	11.5%	76	31.3%	8	3.3%
		<b>above</b>		<b>above</b>		<b>above</b>		<b>below</b>	
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<b>51.09.04 EMERGENCY MEDICAL TECHNOLOGY/TECHNICIAN (EMT PARAMEDIC)</b>	260	117	45.0%	9	3.5%	45	17.3%	17	6.5%
		<b>below</b>		<b>below</b>		<b>below</b>		<b>above</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures

**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>		<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>	
<b>2003 Service Area College Age Population (18 to 44)</b>		645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>			45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
<b>51.09.09</b>	<b>SURGICAL TECHNOLOGY/TECHNOLOGIST</b>	137	93	67.9%	19	13.9%	36	26.3%	12	8.8%
			<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>51.09.10</b>	<b>DIAGNOSTIC MEDICAL SONOGRAPHY/SONOGRAPHIC &amp; ULTRASOUND TEC</b>	190	157	82.6%	21	11.1%	51	26.8%	21	11.1%
			<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>51.09.11</b>	<b>RADIOLOGIC TECHNOLOGY/SCIENCE &amp; RADIOGRAPHER</b>	460	268	58.3%	49	10.7%	130	28.3%	35	7.6%
			<b>above</b>		<b>above</b>		<b>within</b>		<b>above</b>	
<b>51.10.04</b>	<b>CLINICAL/MEDICAL LABORATORY TECHNICIAN</b>	127	86	67.7%	23	18.1%	31	24.4%	15	11.8%
			<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>51.15.00</b>	<b>MENTAL HEALTH SERVICES</b>	110	74	67.3%	21	19.1%	23	20.9%	11	10.0%
			<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>51.16.00</b>	<b>NURSING</b>	2,661	2,314	87.0%	332	12.5%	588	22.1%	228	8.6%
			<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
<b>51.16.13</b>	<b>LICENSED PRACTICAL /VOCATIONAL NURSE TRAINING (LPN, LVN, C</b>	685	600	87.6%	118	17.2%	173	25.3%	65	9.5%
			<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures



**Table 1B Detail**  
**Program Level Comparison of ACC Female and Minority Unduplicated Headcount to**  
**Service Area College Age Female and Minority Population Proportions**  
**Academic Year: 2003-2004**

<i>Comparison Group - Service Area or ACC Program (CIP) Name</i>	<i>Total</i>	<i>Female</i>		<i>Black</i>		<i>Hispanic</i>		<i>Other</i>	
<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
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<b>51.23.00 REHABILITATION/THERAPEUTIC SERVICES</b>	53	45	84.9%	9	17.0%	11	20.8%	2	3.8%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>below</b>	
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<b>52.02.00 BUSINESS ADMINISTRATION &amp; MANAGEMENT</b>	1,133	516	45.5%	125	11.0%	248	21.9%	153	13.5%
		<b>within</b>		<b>above</b>		<b>below</b>		<b>above</b>	
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<b>52.03.00 ACCOUNTING</b>	1,059	710	67.0%	108	10.2%	247	23.3%	180	17.0%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
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<b>52.04.00 ADMINISTRATIVE &amp; SECRETARIAL SERVICES</b>	339	297	87.6%	71	20.9%	97	28.6%	27	8.0%
		<b>above</b>		<b>above</b>		<b>within</b>		<b>above</b>	
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<b>52.08.00 FINANCIAL MANAGEMENT &amp; SERVICES</b>	87	49	56.3%	12	13.8%	20	23.0%	14	16.1%
		<b>above</b>		<b>above</b>		<b>below</b>		<b>above</b>	
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<b>52.09.00 HOSPITALITY SERVICES MANAGEMENT</b>	174	111	63.8%	13	7.5%	40	23.0%	22	12.6%
		<b>above</b>		<b>within</b>		<b>below</b>		<b>above</b>	
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<b>52.14.00 MARKETING MANAGEMENT &amp; RESEARCH</b>	733	424	57.8%	45	6.1%	114	15.6%	68	9.3%
		<b>above</b>		<b>below</b>		<b>below</b>		<b>above</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

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<b>2003 Service Area College Age Population (18 to 44)</b>	645,973	307,810	47.7%	49,023	7.6%	191,871	29.7%	33,494	5.2%
<b>+/- 5% of Porportion (comparison criteria)</b>		45.3%	50.0%	7.2%	8.0%	28.2%	31.2%	4.9%	5.4%
<b>52.15.00 REAL ESTATE</b>	228	90	39.5%	17	7.5%	38	16.7%	20	8.8%
		<b>below</b>		<b>within</b>		<b>below</b>		<b>above</b>	

Source: Texas Higher Education Coordinating Board Annual Data Profile [adp1,2,3A(detail) summarized] and Texas State Data Center

Workforce Education Effectiveness Measures

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

2A. Students will persist in all technical programs at a rate not significantly different than the state average.

**CRITERION**

Retention from Fall to Spring of first time in college (FTIC) students in technical programs is comparable (+/- 5%) to the state average.

**RESULTS**

This criterion was met. Of the FTIC students enrolled in technical programs at ACC in Fall 2003, 64% returned the following spring, compared to 66% statewide, a two percent difference.

**DATA**

**Table 2A  
Comparison of ACC to Statewide Fall 2003 to Spring 2004 Retention Rates  
for First Time in College (FTIC) Students Enrolled in Technical Programs**

First Time in College (FTIC) Students Enrolled in Technical Programs	Enrolled Fall 2003	Returned Spring 2004	% Returned
Austin Community College	1,901	1,215	64%
Statewide	32,954	21,897	66%
		Difference	-2%

Source: THECB Annual Data Profile Austin Community College, 2005 and Community and Technical Colleges Statewide Annual Data Profile, 2005, Tables ADP 4-1

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

2B. Students will persist in each active technical program at rates not significantly different than state averages.

**CRITERION**

Based on data from the THECB *Annual Data Profile*, retention from Fall to Spring of first time in college (FTIC) students in each technical program is comparable (+/- 5%) to the state average for similar programs.

**RESULTS**

This criterion was not met. Each ACC program's retention rate was compared to the statewide rate for the same program. Programs with no FTIC enrollments in Fall 2003 were omitted from percentage calculations.

Retention rates for thirty-eight percent (18 programs) of ACC's workforce programs were within +/- 5% of the state rate for each of those programs. Retention rates for seven ACC programs (15%) exceeded the state rate for each program by more than five percent; retention rates for 22 ACC programs (47%) were at least five percent below the state average for each program. See Table 2B Detail for specific program retention rates.

**DATA**

**Table 2B Summary  
Comparison of ACC to Statewide Fall 2003 to Spring 2004  
Retention Rates for FTIC Students in Technical Programs by Program**

ACC Technical Programs	Programs with Retention Rates Above State Average		Programs with Retention Rates Within State Average		Programs with Retention Rates Below State Average	
	N	%	N	%	N	%
Total Number	7	15%	18	38%	22	47%

Source: Table 2B Detail

## Table 2B Detail

### Comparison of ACC to Statewide Fall 2003 to Spring 2004 Retention Rates for FTIC Students in Technical Programs

#### By Program

CIP	Program (CIP) Name	ACC Fall FTIC	ACC Spr.	ACC % Return	State Fall FTIC	State Spr.	State % Return	Difference (ACC-State)	Criteria
100300	GRAPHIC COMMUNICATIONS	8	5	62.5%	152	109	71.7%	-9.2%	below
110100	COMPUTER & INFORMATION SCIENCES, GENERAL	6	2	33.3%	1,162	760	65.4%	-32.1%	below
110200	COMPUTER PROGRAMMING	101	62	61.4%	1,419	974	68.6%	-7.3%	below
110900	Computer Systems Networking and Telecommunications	16	6	37.5%	396	234	59.1%	-21.6%	below
120500	CULINARY ARTS & RELATED SERVICES	39	22	56.4%	775	532	68.6%	-12.2%	below
150300	ELECTRICAL & ELECTRONIC ENGINEERING-RELATED TECHNOLOGY	113	70	61.9%	881	600	68.1%	-6.2%	below
150500	ENVIRONMENTAL CONTROL TECHNOLOGIES	23	10	43.5%	429	270	62.9%	-19.5%	below
151100	MISCELLANEOUS ENGINEERING-RELATED TECHNOLOGIES	4	1	25.0%	24	15	62.5%	-37.5%	below
151300	DRAFTING/DESIGN ENGINEERING TECHNOLOGIES/TECHNICIAN	73	51	69.9%	1,327	933	70.3%	-0.4%	within
161600	AMERICAN SIGN LANGUAGE	15	10	66.7%	195	132	67.7%	-1.0%	within
190700	INDIVIDUAL & FAMILY DEVELOPMENT STUDIES	159	101	63.5%	2,085	1,363	65.4%	-1.8%	within
220300	LEGAL SUPPORT SERVICES	43	26	60.5%	853	628	73.6%	-13.2%	below
231100	ENGLISH TECHNICAL & BUSINESS WRITING	13	8	61.5%	13	8	61.5%	0.0%	within
310500	HEALTH & PHYSICAL EDUCATION/FITNESS	27	14	51.9%	31	16	51.6%	0.2%	within
410100	BIOLOGICAL TECHNOLOGIES	16	8	50.0%	38	28	73.7%	-23.7%	below
430100	CRIMINAL JUSTICE & CORRECTIONS	22	18	81.8%	2,422	1,752	72.3%	9.5%	above
430107	CRIMINAL JUSTICE/POLICE SCIENCE	105	57	54.3%	1,611	1,027	63.7%	-9.5%	below

Source: THEBC Annual Data Profile [adp4a(detail)]

Workforce Effectiveness Measures 2b (Detail)

## Table 2B Detail

### Comparison of ACC to Statewide Fall 2003 to Spring 2004 Retention Rates for FTIC Students in Technical Programs

#### By Program

CIP	Program (CIP) Name	ACC Fall FTIC	ACC Spr.	ACC % Return	State Fall FTIC	State Spr.	State % Return	Difference (ACC-State)	Criteria
430200	FIRE PROTECTION	16	9	56.3%	368	223	60.6%	-4.3%	within
430203	FIRE SCIENCE/FIREFIGHTING	38	19	50.0%	422	229	54.3%	-4.3%	within
440000	HUMAN SERVICES, GENERAL	13	10	76.9%	25	22	88.0%	-11.1%	below
460200	CARPENTERS	13	6	46.2%	23	8	34.8%	11.4%	above
470600	VEHICLE & MOBILE EQUIPMENT MECHANICS & REPAIRERS	5	2	40.0%	19	12	63.2%	-23.2%	below
470604	AUTOMOBILE/AUTOMOTIVE MECHANICS TECHNOLOGY/TECHNICIAN	84	52	61.9%	2,658	1,868	70.3%	-8.4%	below
480508	WELDING TECHNOLOGY/WELDER	47	24	51.1%	1,155	776	67.2%	-16.1%	below
500400	DESIGN & APPLIED ARTS	45	33	73.3%	723	549	75.9%	-2.6%	within
500406	COMMERCIAL PHOTOGRAPHY	43	27	62.8%	115	61	53.0%	9.7%	above
500900	MUSIC	24	17	70.8%	212	145	68.4%	2.4%	within
510700	HEALTH & MEDICAL ADMINISTRATIVE SERVICES	3	2	66.7%	1,061	734	69.2%	-2.5%	within
510803	OCCUPATIONAL THERAPIST ASSISTANT	6	4	66.7%	160	124	77.5%	-10.8%	below
510805	PHARMACY TECHNICIAN/ASSISTANT	20	16	80.0%	322	240	74.5%	5.5%	above
510806	PHYSICAL THERAPIST ASSISTANT	33	23	69.7%	697	531	76.2%	-6.5%	below
510904	EMERGENCY MEDICAL TECHNOLOGY/TECHNICIAN (EMT PARAMEDIC)	47	27	57.4%	1,805	773	42.8%	14.6%	above
510909	SURGICAL TECHNOLOGY/TECHNOLOGIST	24	16	66.7%	464	328	70.7%	-4.0%	within

Source: THEBC Annual Data Profile [adp4a(detail)]

Workforce Effectiveness Measures 2b (Detail)

## Table 2B Detail

### Comparison of ACC to Statewide Fall 2003 to Spring 2004 Retention Rates for FTIC Students in Technical Programs

#### By Program

CIP	Program (CIP) Name	ACC Fall FTIC	ACC Spr.	ACC % Return	State Fall FTIC	State Spr.	State % Return	Difference (ACC-State)	Criteria
510910	DIAGNOSTIC MEDICAL SONOGRAPHY/SONOGRAPHIC & ULTRASOUND TEC	21	17	81.0%	183	143	78.1%	2.8%	within
510911	RADIOLOGIC TECHNOLOGY/SCIENCE & RADIOGRAPHER	83	60	72.3%	1,427	1,064	74.6%	-2.3%	within
511004	CLINICAL/MEDICAL LABORATORY TECHNICIAN	29	20	69.0%	189	132	69.8%	-0.9%	within
511500	MENTAL HEALTH SERVICES	14	7	50.0%	626	419	66.9%	-16.9%	below
511600	NURSING	335	233	69.6%	7,889	5,971	75.7%	-6.1%	below
511613	LICENSED PRACTICAL /VOCATIONAL NURSE TRAINING (LPN, LVN, C	137	89	65.0%	2,629	1,857	70.6%	-5.7%	below
512300	REHABILITATION/THERAPEUTIC SERVICES	12	5	41.7%	12	5	41.7%	0.0%	within
520200	BUSINESS ADMINISTRATION & MANAGEMENT	153	106	69.3%	3,313	2,210	66.7%	2.6%	within
520300	ACCOUNTING	133	86	64.7%	1,659	1,104	66.5%	-1.9%	within
520400	ADMINISTRATIVE & SECRETARIAL SERVICES	62	30	48.4%	2,042	1,382	67.7%	-19.3%	below
520800	FINANCIAL MANAGEMENT & SERVICES	3	2	66.7%	157	94	59.9%	6.8%	above
520900	HOSPITALITY SERVICES MANAGEMENT	32	23	71.9%	182	125	68.7%	3.2%	within
521400	MARKETING MANAGEMENT & RESEARCH	113	76	67.3%	337	244	72.4%	-5.1%	below
521500	REAL ESTATE	29	17	58.6%	543	259	47.7%	10.9%	above

Source: THEBC Annual Data Profile [adp4a(detail)]

Workforce Effectiveness Measures 2b (Detail)

**Workforce Education Report for 2005—2006 (continued)**

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**INTENDED OUTCOME**

2C. Students will complete courses at rates not significantly different than state averages.

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**CRITERION**

Based on data from the THECB *Data Resources for Institutional Effectiveness Measures and Standards*, the percentage of contact hours completed for all technical program enrollments is comparable (+/- 5%) to the state average.

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**RESULTS**

This criterion was met. The percentage of ACC's workforce education program contact hours that were completed in Fall 2004 was 3.66% less than the percentage of workforce program contact hours completed statewide, but still within the criterion range.

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**DATA**

**Table 2C  
Comparison of ACC to Statewide Course Completion Rates for Fall 2004**

	Contact Hours on Official Census Date Fall 2004	Contact Hours at the End of Reporting Period	Percent of Contact Hours Completed
ACC	4,302,974	3,448,342	80.14%
Statewide	99,241,816	83,167,848	83.80%
			Difference      -3.66%

Source: THECB *Data Resources for the 2005 LBB Measures for Texas Community, Technical, and State Colleges, Outcome 1*



**Workforce Education Report for 2005—2006 (continued)**

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**INTENDED OUTCOME**

3A. Workforce education programs will meet the Texas Higher Education Coordinating Board (THECB) guidelines for student graduation.

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**CRITERION**

Based on data from the THECB *Annual Data Profile*, 90% of all active workforce education programs produce 15 graduates over three years (except new programs which received THECB approval or were first offered within the last three years.).

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**RESULTS**

This criterion was not met. Eighty-three percent of the forty-nine workforce education programs (active as of April 1, 2005) had fifteen or more graduates during the most recent three year cycle. See Table 3A Detail for program-specific graduation rates.

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**DATA**

**Table 3A Summary  
Three Year Graduation Rates for Workforce Education Programs**

Total Number of Programs with at least one active award as of 4/1/2005	Programs with 15 or more graduates 2001 - 2004		Programs with less than 15 graduates 2001 - 2004	
	N	%	N	%
49	41	83%	8	16.3%

Source: Table 3A Detail

## Workforce Education Report for 2005—2006 (continued)

**Table 3A Detail**  
**Cumulative Graduates 2001-2004 for Workforce Education Programs by Program**

<b>CIP</b>	<b>Program</b>	<b>Grads 2001-2004</b>
100300	GRAPHIC COMMUNICATIONS	37
110100	COMPUTER & INFORMATION SCIENCES, GENERAL	22
110200	COMPUTER PROGRAMMING	144
110900	COMPUTER SYSTEMS NETWORKING & TELECOMMUNICATIONS	81
120500	CULINARY ARTS & RELATED SERVICES	36
150300	ELECTRICAL & ELECTRONIC ENGINEERING-RELATED TECHNOLOGY	226
150500	ENVIRONMENTAL CONTROL TECHNOLOGIES	41
150700	QUALITY CONTROL & SAFETY TECHNOLOGIES	5
151100	MISCELLANEOUS ENGINEERING-RELATED TECHNOLOGIES	11
151300	DRAFTING/DESIGN ENGINEERING TECHNOLOGIES/TECHNICIAN	121
161600	AMERICAN SIGN LANGUAGE	9
190700	INDIVIDUAL & FAMILY DEVELOPMENT STUDIES	49
220300	LEGAL SUPPORT SERVICES	31
231100	ENGLISH TECHNICAL & BUSINESS WRITING	16
310500	HEALTH & PHYSICAL EDUCATION/FITNESS	7
410100	BIOLOGICAL TECHNOLOGIES	20
430100	CRIMINAL JUSTICE & CORRECTIONS	23
430107	CRIMINAL JUSTICE/POLICE SCIENCE	158
430200	FIRE PROTECTION	17
430203	FIRE SCIENCE/FIREFIGHTING	147
440000	HUMAN SERVICES, GENERAL	6
460200	CARPENTERS	18
470400	MISCELLANEOUS MECHANICS & REPAIRERS	13
470600	VEHICLE & MOBILE EQUIPMENT MECHANICS & REPAIRERS	9
470604	AUTOMOBILE/AUTOMOTIVE MECHANICS TECHNOLOGY/TECHNICIAN	59
480508	WELDING TECHNOLOGY/WELDER	82
500400	DESIGN & APPLIED ARTS	154
500406	COMMERCIAL PHOTOGRAPHY	25
500900	MUSIC	39
510700	HEALTH & MEDICAL ADMINISTRATIVE SERVICES	21
510803	OCCUPATIONAL THERAPIST ASSISTANT	15
510805	PHARMACY TECHNICIAN/ASSISTANT	38
510806	PHYSICAL THERAPIST ASSISTANT	35
510904	EMERGENCY MEDICAL TECHNOLOGY/TECHNICIAN (EMT PARAMEDIC)	109
510909	SURGICAL TECHNOLOGY/TECHNOLOGIST	50
510910	DIAGNOSTIC MEDICAL SONOGRAPHY/SONOGRAPHIC	56
510911	RADIOLOGIC TECHNOLOGY/SCIENCE & RADIOGRAPHER	50
511004	CLINICAL/MEDICAL LABORATORY TECHNICIAN	9
511500	MENTAL HEALTH SERVICES	13
511600	NURSING	367
511613	LICENSED PRACTICAL /VOCATIONAL NURSE TRAINING (LPN, LVN, C	149
512300	REHABILITATION/THERAPEUTIC SERVICES	16
520200	BUSINESS ADMINISTRATION & MANAGEMENT	100
520300	ACCOUNTING	37
520400	ADMINISTRATIVE & SECRETARIAL SERVICES	27
520800	FINANCIAL MANAGEMENT & SERVICES	26
520900	HOSPITALITY SERVICES MANAGEMENT	75
521400	MARKETING MANAGEMENT & RESEARCH	36
521500	REAL ESTATE	68

Source: THECB *Annual Data Profile, 2005, Table ADP 9A*

Note: Highlighted programs do not meet THECB guidelines for number of graduates in three year period.

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

3B. Full-time students in workforce education programs will graduate or transfer in a timely manner.

**CRITERION**

Based on data from the THECB *Annual Data Profile*, full-time, FTIC students in technical programs will graduate or transfer to four-year institutions within three years at rates comparable (+/- 5%) to statewide rates.

**RESULTS**

This criterion was met. ACC's Fall 2001 FTIC cohort students enrolled full time in Workforce Education Programs graduated or transferred at rates that were equal to statewide rates (27%).

**DATA**

**Table 3B  
Comparison of ACC to Statewide Transfer or Graduation Rate for  
Fall 2001 FTIC Full-time<sup>[1]</sup> Students Enrolled in Workforce Education Programs**

	Fall 2001 FTIC Full- Time [1] Student Headcount	All Transfers to 4-yr. Institutions [2] between Spring 2002 and Fall 2004		Total Graduates [3] 2001 - 2004		Unduplicated Total Transferring to 4-yr. Institutions or Graduating	
	N	N	%	N	%	N	%
ACC	434	124	29%	30	7%	117	27%
Statewide	20,709	5,216	25%	3,859	19%	5,639	27%
						Difference	0%

Notes: [1] Students enrolled in 12 SCH or more.

[2] Count is duplicated and includes all students in the cohort who ever transferred during the time period.

[3] Unduplicated count that includes all students in the cohort who completed a CB approved program from a 2-year institution.

Source: THECB 2005 *Annual Data Profile*, Table 8B

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

3C. Part-time students in workforce education programs will graduate or transfer in a timely manner.

**CRITERION**

Based on data from the THECB *Annual Data Profile*, part-time FTIC students in technical programs will graduate or transfer to four-year institutions within three years at rates comparable (+/- 5%) to statewide rates.

**RESULTS**

This criterion was met. ACC's Fall 2001 FTIC cohort students enrolled part time in Workforce Education Programs graduated or transferred at rates that were equal to the statewide rates (18%).

**DATA**

**Table 3C  
Comparison of ACC to Statewide Transfer or Graduation Rate for  
Fall 2001 FTIC Part-time Students Enrolled in Workforce Education Programs**

	Fall 2001 FTIC Part- Time [1] Student Headcount	All Transfers to 4-yr. Institutions [2] between Spring 2001 and Fall 2004		Total Graduates [3] 2001 - 2004		Unduplicated Total Transferring to 4-yr. Institutions or Gradu- ating	
	N	N	%	N	%	N	%
ACC	1,363	218	16%	44	3%	188	18%
Statewide	22,931	5,659	25%	1,827	7.9	4,196	18%
						Difference	0%

Notes: [1] Students enrolled in fewer than 12 SCH.

[2] Count is duplicated and includes all students in the cohort who ever transferred during the time period.

[3] Unduplicated count that includes all students in the cohort who completed a THECB approved program from a 2-year institution.

Source: THECB 2005 *Annual Data Profile*, Table 8B

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

3D. Women and minorities in workforce education programs will graduate or transfer at rates comparable to those at which they enroll.

**CRITERION**

Based on data from the THECB *Annual Data Profile*, women and minorities will graduate at rates comparable (+/- 5%) to those at which they enroll.

**RESULTS**

This criterion was met. For the 2003-04 academic year, graduation rates for each of the four demographic groups were within the criterion range.

Graduation rates for Female and Other\* students were greater than their respective enrollment rates. The graduation rate for Hispanic students was two percent lower than the rate at which they enrolled. Black students enrolled in and graduated from workforce education programs at the same rate.

**DATA**

**Table 3D  
Comparison of ACC Female and Minorities Graduates to  
Female and Minorities Annual Headcount for Workforce Education Programs  
Academic Year 2003—2004**

	Female		Black		Hispanic		Other*	
	N	%	N	%	N	%	N	%
Graduates	447	63%	64	9%	139	20%	90	13%
Annual Headcount	12,140	58%	1,992	9%	4,626	22%	2,320	11%
Difference		5%		0%		-2%		2%

Source: THECB 2005 Annual Data Profile, ADP 5-1 and 6-1

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

4A. Graduates from workforce programs will find employment upon completion of their AAS degree or certificate.

**CRITERION**

Based on data from the THECB *Automated Student and Adult Learner Follow-Up System: Results*, within one year of graduation, 90% of AAS degree and certificate recipients will be employed or will be continuing their education.

**RESULTS**

This criterion was met. Based on the most recent data available, almost 92% of ACC's 2002-03 graduates were employed and/or seeking additional higher education one year following their graduation.

**DATA**

**Table 4A  
Employment of Workforce Education Program Graduates**

Total Graduates 2001-02		Employed Only 2002-03		Additional Education Only 2002-03		Additional Education and Employed 2002-03		Graduates Employed and/or Additional Education 2002-03	
N	%	N	%	N	%	N	%	N	%
901		607	67.4%	32	3.6%	189	21.0%	828	91.9%
								Criterion	90.0%
								Difference	1.9%

Source: THECB 2004 *Automated Student and Adult Learner Follow-Up System: Results for 2001-02 Graduates and Non-Returners*, p. 19 (most recent version available)

**Workforce Education Report for 2005—2006 (continued)**

**INTENDED OUTCOME**

4B. Students who pursue workforce education but do not graduate will be employed or pursuing additional education at rates not significantly different than the state average for similar students.

**CRITERION**

Based on data from the THECB *Data Resources for Institutional Effectiveness Measures and Standards*, the percentage of non-completers/non-returning students who are employed or pursuing additional education is comparable (+/- 5%) to the state average.

**RESULTS**

This criterion was met. Based on the most recent data available, the rate for ACC students who did not return to ACC in 2001-02 but were employed or pursuing additional education elsewhere was two percent greater than the statewide rate.

**DATA**

**Table 4B  
Comparison of ACC to Statewide Education or Employment  
of Non-completers or Non-Returning Students**

	Non-completers/ Non- returners 2001-02	Employed Only 2001-02		Additional Education Only 2001-02		Additional Education and Employed 2001-02		Non-completers/ Non-returners Em- ployed or Pursuing Ad- ditional Education	
		N	%	N	%	N	%	N	%
ACC	10,213	6,026	59.0%	741	7.2%	2,093	20.4%	8,860	86.7%
Statewide	157,746	99,747	63.2%	7,560	4.7%	26,332	16.6%	133,639	84.7%
								Difference	2.0%

Source: THECB *Data Resources for Institutional Effectiveness Measures and Standards 2004-2005 Achievement, IE12-1 (most recent version available.)*