



## Research Brief 3

College Performance Indicators Series: EDUCATION FOR THE WORKFORCE

### INTRODUCTION

This is the third in a series of eight research briefs based on the CCSF *College Performance Indicators Report (CPI)*, a key tool that the College uses to evaluate how it is doing on the eight strategic priorities of its Strategic Plan. These briefs are a way for faculty, classified staff and administrators to learn about College performance by means of short, periodic reports. The CPI is organized according to the priorities of the Strategic Plan. The third strategic priority of the CCSF Strategic Plan ([www.ccsf.edu/Offices/Research\\_Planning/pdf/ccpi2008.pdf](http://www.ccsf.edu/Offices/Research_Planning/pdf/ccpi2008.pdf)) relates to education for the workforce, which therefore becomes the third topic in our series. Previously issued CPI briefs this year ([http://www.ccsf.edu/Offices/Research\\_Planning/reports\\_briefs.htm](http://www.ccsf.edu/Offices/Research_Planning/reports_briefs.htm)) focused on basic skills and academic programs.

#### **What is included in this Education for the Workforce brief?**

This research brief looks at success in career technical education in terms of program outcomes such as certificates and licensure pass rates, student success as measured by course completion, and contract education, a type of partnership with the business community. The next three briefs will deal with both credit and noncredit; this brief is focused on credit and contract education. Our next brief will report on outreach and recruitment.

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#### **From the CCSF Strategic Plan:**

**Strategic Priority #3** *To continue to respond effectively to the educational and training needs of students and communities related to workforce, economic and community development initiatives.*

#### **From the *College Performance Indicators*, the four Indicators for the above Strategic Priority:**

- √ *Successful completion of Career Technical Education (vocational) credit courses*
- √ *Number of certificates achieved annually*
- √ *Annual number of employers and employees served through contract education programs*
- √ *Annual licensure pass rates by occupational program*

## How is this report brief set up?

Each of the four indicators is followed by a summary of selected information from the larger report. Below each indicator, (shown in italics with a checkmark to its left), bulleted items and/or graphic elements will summarize some of the more striking findings. This approach is intended to give a selective sampling of the full report, and is not necessarily representative of the report's content in its entirety. Please see the full CPI Report for definitions of terms and much more context and explanation, at [www.ccsf.edu/Offices/Research\\_Planning/pdf/ccpi2008.pdf](http://www.ccsf.edu/Offices/Research_Planning/pdf/ccpi2008.pdf)

### *Successful completion of Career Technical Education (CTE) credit courses*

- The 2006-07 passing rates of 72% for introductory and 83% for advanced CTE courses compare favorably with the passing rate of all CCSF credit courses (71%) and the passing rate of transfer courses (72%).
- CTE enrollment has remained consistently 22-23% of all credit enrollment over the past nine years.
- Introductory CTE course enrollment has increased slightly more than overall credit course enrollment since 1998-99.
- All indicators have risen since 1998-99, including the passing rate and the enrollments in introductory and advanced CTE courses. However, advanced course enrollment (13,023) reached a six-year low in 2006-07.

Year	Introductory CTE Enrollment		Advanced CTE Enrollment		Total CTE Enrollment (Dupl.)	Total Credit Course Enrollment (Dupl.)	Total CTE Enrollment as % of All Credit Enrollment
	Courses Taken	Passing Rate	Courses Taken	Passing Rate			
1998-99	23,844	70%	11,825	79%	35,669	161,082	22%
1999-00	24,074	70%	12,505	80%	36,579	159,613	23%
2000-01	24,431	71%	12,289	81%	36,720	159,888	23%
2001-02	26,224	72%	14,005	84%	40,229	174,515	23%
2002-03	27,713	74%	14,585	84%	42,298	183,382	23%
2003-04	25,507	74%	14,385	84%	39,892	174,997	23%
2004-05	25,810	73%	13,727	84%	39,537	176,363	22%
2005-06	26,212	74%	13,214	84%	39,426	177,248	22%
2006-07	26,724	72%	13,023	83%	39,747	176,593	23%
<b>Enroll. Pct. Incr. 1998-99 to 2006-07</b>	12%		10%		11%	10%	

### √ *Number of certificates achieved annually*

- As shown on the next page, the number of certificates awarded declined 18% in 2006-07 after a similar decline the previous year, but is still up 39% from the 1996-1999 average.

- Most of the larger areas (e.g., Health) experienced decreases in certificates awarded, although six smaller certificate areas (such as Library Science) had increases in 2006-07.
- Despite the large declines noted in 2005-06 and 2006-07, the increase in certificates awarded has outpaced the growth of credit enrollment over the long term.

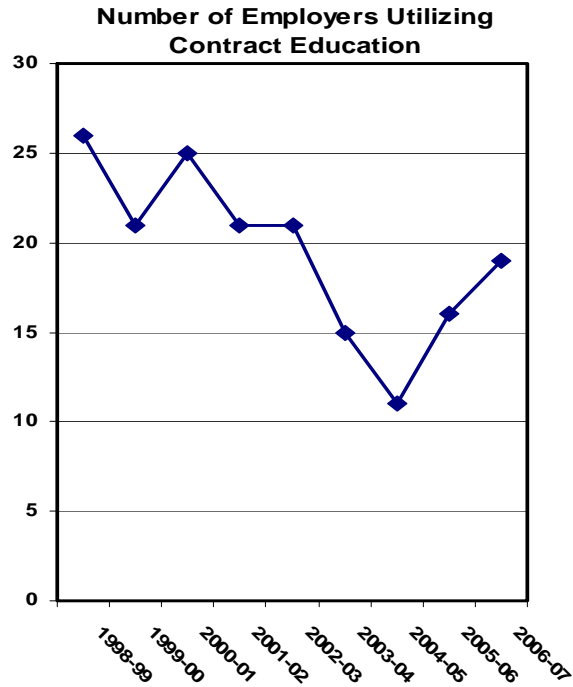
**Certificates Awarded at CCSF 1996-99 to 2005-06**

Program Category	Avg. 1996-1999	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	Chg. % 2005-06 to 2006-07	From 1996 1999 Avg. to 2006-07
Ag. & Nat. Resources	15	8	12	1	6	12	16	4	11	175%	-28%
Arch. & Environ. Design	1	2	0	0	1	1	0	0	0	0%	-100%
Biological Sciences	N/A	2	0	4	13	17	30	61	68	11%	N/A
Business & Mgnt.	91	143	96	86	115	115	103	101	74	-27%	-19%
Commercial Services	11	10	18	19	17	14	21	17	8	-53%	-27%
Media & Communic.	1	2	13	28	43	39	22	20	25	25%	3650%
Information Tech.	73	160	154	159	114	64	90	22	16	-27%	-78%
Family and Consu. Sci.	116	245	329	295	299	303	339	293	219	-25%	89%
Education	8	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Eng'ing & Rel. Indus.Tech.	77	173	114	152	142	106	201	182	129	-29%	68%
Fine & Applied Arts	1	14	23	16	26	32	30	11	13	18%	1200%
Foreign Language	N/A	N/A	N/A	N/A	37	28	22	44	48	9%	N/A
Health	320	234	340	279	286	394	474	395	314	-21%	-2%
Humanities	N/A	1	0	0	2	1	1	2	0	-100%	N/A
Law	N/A	N/A	14	11	16	20	20	20	16	-20%	N/A
Library Science	10	12	14	14	5	28	19	5	13	160%	34%
Physical Sciences	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pub. Affairs & Services	13	0	61	55	75	106	83	65	64	-2%	380%
Social Sciences	N/A	N/A	N/A	4	13	5	3	9	5	-44%	N/A
<b>Total</b>	<b>737</b>	<b>1,053</b>	<b>1,188</b>	<b>1,123</b>	<b>1,210</b>	<b>1,285</b>	<b>1,474</b>	<b>1,251</b>	<b>1,023</b>	<b>-18%</b>	<b>39%</b>

Source: <http://misweb.cccco.edu/mis/onlinestat/awards.cfm>

√ ***Annual number of employers and employees served through contract education programs***

- The graph on the next page, showing the trend data for employers served, is a sample of the information available in the full report.
- The number of employers served by CCSF through Contract Education has been increasing since reaching a low point in 2004-05.
- The number of employers remains lower than in 1998-99.



√ **Annual licensure pass rates by occupational program**

- Licensure pass rates declined in Paramedic (-16%), Phlebotomy (-7%), and Registered Nursing (-5%) programs, bringing the average down to 90% overall in 2006-07, from the 93% peak in 2005-06.
- Pharmacy Tech and Radiation Oncology Tech programs routinely have a 100% licensure pass rate.

**Licensure Pass Rates**

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Aircraft Maintenance Tech*				93%		100%	N/A	NA
Automotive General	45%	45%	50%	53%	53%	54%	N/A	NA
CVT/Echocardiography Tech**			100%	100%	100%	88%	100%	NA
EMT			93%	99%	96%	100%	97%	96%
Pharmacy Tech			100%	100%	100%	100%	100%	100%
Radiation Oncology Tech	83%	75%	100%	100%	100%	100%	100%	100%
Diagnostic Medical Imaging				100%	100%	100%	75%	76%
Health Information Tech			100%	87%	89%	100%	86%	86%
Medical Assisting			87%	92%			94%	100%
LVN	72%	74%	65%	75%	82%	88%	86%	89%
RN	81%	87%	81%	87%	85%	76%	91%	86%
Paramedic Program					100%	100%	97%	81%
Phlebotomy						99%	96%	89%
Unweighted Average	<b>70%</b>	<b>70%</b>	<b>86%</b>	<b>90%</b>	<b>90%</b>	<b>92%</b>	<b>93%</b>	<b>90%</b>