

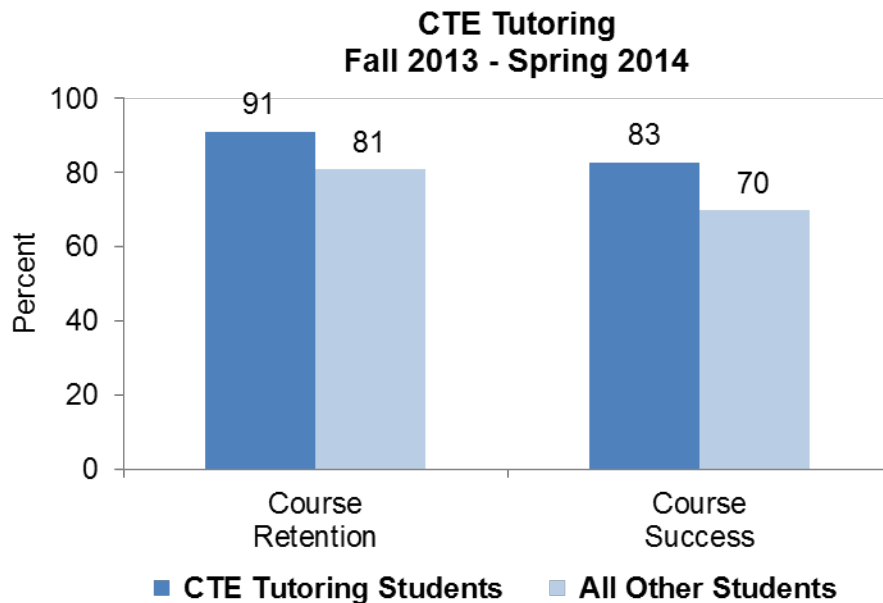
Cuyamaca College
CTE Tutoring: CADD, CD, CIS, CISCO, CS, GD, and WWTR
Fall 2013 - Spring 2014

This report shows course retention rates and course success rates for CTE students at Cuyamaca College who used the Tutoring Center as compared to CTE students who did not use the Tutoring Center. Outcome and demographic data are from the research database, and CTE tutoring attendance data were provided by the Tutoring Center. In the report, outcome and demographic data for all CTE students are summarized first, followed by outcome data separated by discipline and course for CADD, CD, CIS, CISCO, CS, GD, and WWTR. Courses that had no CTE tutoring students enrolled were excluded, and courses with fewer than five students in either group were combined into an “other” category for each discipline.

Summary of Findings

- Overall, the rates of course retention and course success for CTE students who used the Tutoring Center were significantly higher than for CTE students who did not use the Tutoring Center.
- CD, CIS, and CISCO students who used CTE tutoring services had significantly higher course retention and course success rates than students in these courses that did not use CTE tutoring services.
- For CS students, the course success rates were significantly higher for students who used CTE tutoring services than for CADD students who did use CTE tutoring services; however their rates of course retention were not significantly different.
- The outcomes for CADD, GD, and WWTR students who used CTE tutoring services were not significantly different from the outcomes of students in these courses that did not use CTE tutoring services.

Student Outcomes: Overall



The course retention rates and course success rates for CTE students who used the Tutoring Center were significantly higher than for CTE students who did not use the Tutoring Center ($\chi^2 = 30.5, p < .001$ and $\chi^2 = 35.0, p < .001$, respectively).

Retention Rates: By Term

CTE Tutoring Combined Retention Rates by Term

		Retained		Withdrew		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	244	92.1	21	7.9	265
	All Others	1,367	81.2	317	18.8	1,684
Spring 2014	CTE Tutoring	209	89.7	24	10.3	233
	All Others	1,210	80.3	296	19.7	1,506
Overall	CTE Tutoring	453	91.0	45	9.0	498
	All Others	2,577	80.8	613	19.2	3,190

Retention Rates: By Demographics

CTE Tutoring Combined Retention Rates by Gender

		Retained		Withdrew		Total Enrollments
		#	%	#	%	
Female	CTE Tutoring	225	93.8	15	6.2	240
	All Others	1,227	81.9	271	18.1	1,498
Male	CTE Tutoring	220	88.0	30	12.0	250
	All Others	1,340	79.9	337	20.1	1,677
Not Reported	CTE Tutoring	8	100.0	0	0.0	8
	All Others	10	66.7	5	33.3	15

CTE Tutoring Combined Retention Rates by Ethnicity

		Retained		Withdrew		Total Enrollments
		#	%	#	%	
Asian	CTE Tutoring	50	98.0	1	2.0	51
	All Others	176	83.4	35	16.6	211
Black non-Hispanic	CTE Tutoring	20	80.0	5	20.0	25
	All Others	167	76.6	51	23.4	218
Hispanic	CTE Tutoring	83	88.3	11	11.7	94
	All Others	743	79.7	189	20.3	932
Two or More	CTE Tutoring	30	93.8	2	6.2	32
	All Others	227	78.8	61	21.2	288
White non-Hispanic	CTE Tutoring	230	90.9	23	9.1	253
	All Others	1,163	81.9	257	18.1	1,420
Not Reported/Other	CTE Tutoring	40	93.0	3	7.0	43
	All Others	101	83.5	20	16.5	121

CTE Tutoring Combined Retention Rates by Disability Status

		Retained		Withdrew		Total Enrollments
		#	%	#	%	
Disability	CTE Tutoring	61	88.4	8	11.6	69
	All Others	202	84.2	38	15.8	240
No Disability	CTE Tutoring	392	91.4	37	8.6	429
	All Others	2,375	80.5	575	19.5	2,950

Success Rates: By Term

CTE Tutoring Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	219	82.6	25	9.4	21	7.9	265
	All Others	1,185	70.4	182	10.8	317	18.8	1,684
Spring 2014	CTE Tutoring	193	82.8	16	6.9	24	10.3	233
	All Others	1,044	69.3	166	11.0	296	19.7	1,506
Overall	CTE Tutoring	412	82.7	41	8.2	45	9.0	498
	All Others	2,229	69.9	348	10.9	613	19.2	3,190

Success Rates: By Demographics

CTE Tutoring Combined Success Rates by Gender

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Female	CTE Tutoring	215	89.6	10	4.2	15	6.2	240
	All Others	1,091	72.8	136	9.1	271	18.1	1,498
Male	CTE Tutoring	191	76.4	29	11.6	30	12.0	250
	All Others	1,131	67.4	209	12.5	337	20.1	1,677
Not Reported	CTE Tutoring	6	75.0	2	25.0	0	0.0	8
	All Others	7	46.7	3	20.0	5	33.3	15

CTE Tutoring Combined Success Rates by Ethnicity

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Asian	CTE Tutoring	47	92.2	3	5.9	1	2.0	51
	All Others	158	74.9	18	8.5	35	16.6	211
Black non-Hispanic	CTE Tutoring	14	56.0	6	24.0	5	20.0	25
	All Others	131	60.1	36	16.5	51	23.4	218
Hispanic	CTE Tutoring	75	79.8	8	8.5	11	11.7	94
	All Others	618	66.3	125	13.4	189	20.3	932
Two or More	CTE Tutoring	29	90.6	1	3.1	2	6.2	32
	All Others	192	66.7	35	12.2	61	21.2	288
White non-Hispanic	CTE Tutoring	211	83.4	19	7.5	23	9.1	253
	All Others	1,036	73.0	127	8.9	257	18.1	1,420
Not Reported/Other	CTE Tutoring	36	83.7	4	9.3	3	7.0	43
	All Others	94	77.7	7	5.8	20	16.5	121

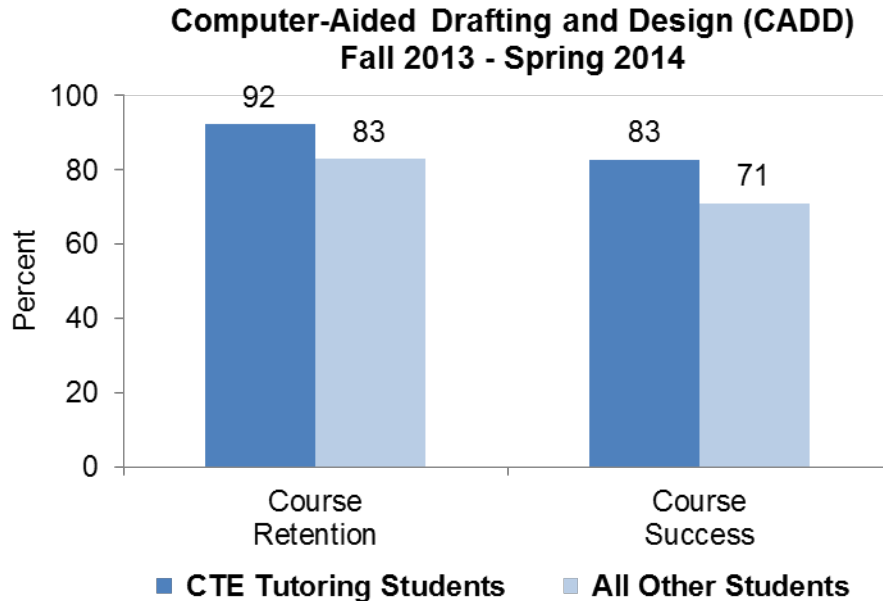
CTE Tutoring Combined Success Rates by Disability Status

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Disability	CTE Tutoring	52	75.4	9	13.0	8	11.6	69
	All Others	170	70.8	32	13.3	38	15.8	240
No Disability	CTE Tutoring	360	83.9	32	7.5	37	8.6	429
	All Others	2,059	69.8	316	10.7	575	19.5	2,950

Cuyamaca College
CTE Tutoring: Computer-Aided Drafting and Design (CADD)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, CADD students who used CTE tutoring services had higher course retention and course success rates than students in these courses who did not use CTE tutoring services, however these differences did not reach statistical significance.



Retention Rates: By Term and Course

Computer-Aided Drafting and Design (CADD) Combined Retention Rates by Term

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	21	91.3	2	8.7	23
	All Others	94	80.3	23	19.7	117
Spring 2014	CTE Tutoring	27	93.1	2	6.9	29
	All Others	66	86.8	10	13.2	76
Overall	CTE Tutoring	48	92.3	4	7.7	52
	All Others	160	82.9	33	17.1	193

Computer-Aided Drafting and Design (CADD) Retention Rates by Course

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CADD 115	CTE Tutoring	11	84.6	2	15.4	13
	All Others	53	79.1	14	20.9	67
CADD 120	CTE Tutoring	12	100.0	0	0.0	12
	All Others	26	86.7	4	13.3	30
CADD 125	CTE Tutoring	4	80.0	1	20.0	5
	All Others	19	82.6	4	17.4	23

Computer-Aided Drafting and Design (CADD) Retention Rates by Course (continued)

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CADD 126	CTE Tutoring	5	100.0	0	0.0	5
	All Others	14	82.4	3	17.6	17
CADD 129	CTE Tutoring	6	85.7	1	14.3	7
	All Others	8	88.9	1	11.1	9
Other CADD Courses	CTE Tutoring	10	100.0	0	0.0	10
	All Others	40	85.1	7	14.9	47

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CADD courses include CADD 127, CADD 128, and CADD 133.

Success Rates: By Term and Course

Computer-Aided Drafting and Design (CADD) Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	19	82.6	2	8.7	2	8.7	23
	All Others	76	65.0	18	15.4	23	19.7	117
Spring 2014	CTE Tutoring	24	82.8	3	10.3	2	6.9	29
	All Others	61	80.3	5	6.6	10	13.2	76
Overall	CTE Tutoring	43	82.7	5	9.6	4	7.7	52
	All Others	137	71.0	23	11.9	33	17.1	193

Computer-Aided Drafting and Design (CADD) Success Rates by Course

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
CADD 115	CTE Tutoring	10	76.9	1	7.7	2	15.4	13
	All Others	46	68.7	7	10.4	14	20.9	67
CADD 120	CTE Tutoring	10	83.3	2	16.7	0	0.0	12
	All Others	25	83.3	1	3.3	4	13.3	30
CADD 125	CTE Tutoring	3	60.0	1	20.0	1	20.0	5
	All Others	15	65.2	4	17.4	4	17.4	23
CADD 126	CTE Tutoring	4	80.0	1	20.0	0	0.0	5
	All Others	11	64.7	3	17.6	3	17.6	17
CADD 129	CTE Tutoring	6	85.7	0	0.0	1	14.3	7
	All Others	6	66.7	2	22.2	1	11.1	9
Other CADD Courses	CTE Tutoring	10	100.0	0	0.0	0	0.0	10
	All Others	34	72.3	6	12.8	7	14.9	47

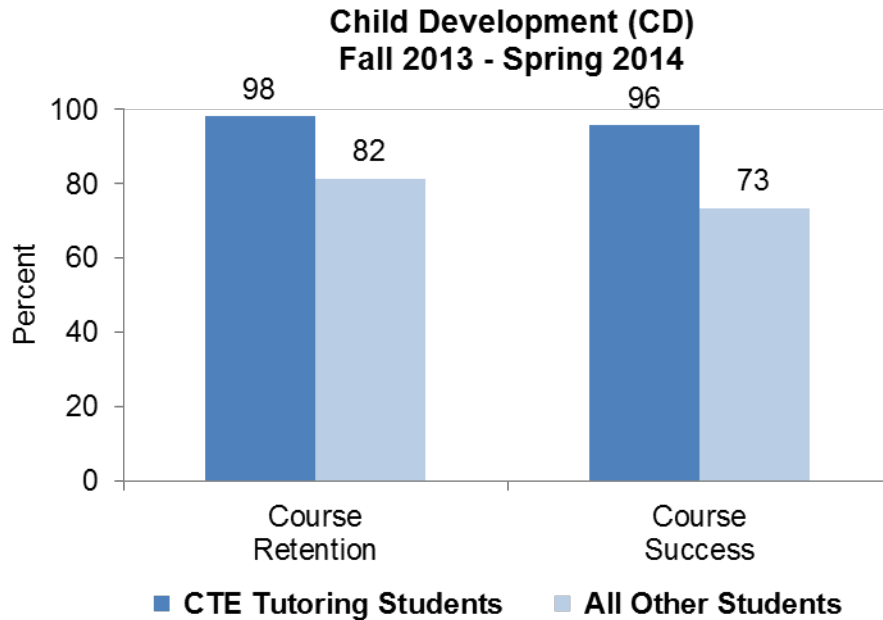
Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CADD courses include CADD 127, CADD 128, and CADD 133.

Cuyamaca College
CTE Tutoring: Child Development (CD)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, CD students who used CTE tutoring services had significantly higher course retention rates ($\chi^2 = 29.1, p < .001$) and course success rates ($\chi^2 = 39.2, p < .001$) than students in these courses who did not use CTE tutoring services.



Retention Rates: By Term and Course

Child Development (CD) Combined Retention Rates by Term

		Retained		Withdrew		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	84	98.8	1	1.2	85
	All Others	388	78.5	106	21.5	494
Spring 2014	CTE Tutoring	77	97.5	2	2.5	79
	All Others	486	83.9	93	16.1	579
Overall	CTE Tutoring	161	98.2	3	1.8	164
	All Others	874	81.5	199	18.5	1,073

Child Development (CD) Retention Rates by Course

		Retained		Withdrew		Total Enrollments
		#	%	#	%	
CD 106	CTE Tutoring	6	100.0	0	0.0	6
	All Others	31	93.9	2	6.1	33
CD 123	CTE Tutoring	6	85.7	1	14.3	7
	All Others	47	90.4	5	9.6	52
CD 124	CTE Tutoring	7	100.0	0	0.0	7
	All Others	52	88.1	7	11.9	59

Child Development (CD) Retention Rates by Course (continued)

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CD 125	CTE Tutoring	11	100.0	0	0.0	11
	All Others	204	73.1	75	26.9	279
CD 126	CTE Tutoring	10	100.0	0	0.0	10
	All Others	47	90.4	5	9.6	52
CD 127	CTE Tutoring	18	100.0	0	0.0	18
	All Others	49	94.2	3	5.8	52
CD 128	CTE Tutoring	17	94.4	1	5.6	18
	All Others	39	95.1	2	4.9	41
CD 129	CTE Tutoring	15	100.0	0	0.0	15
	All Others	51	94.4	3	5.6	54
CD 130	CTE Tutoring	17	100.0	0	0.0	17
	All Others	20	100.0	0	0.0	20
CD 131	CTE Tutoring	8	100.0	0	0.0	8
	All Others	116	71.2	47	28.8	163
CD 132	CTE Tutoring	6	100.0	0	0.0	6
	All Others	15	100.0	0	0.0	15
CD 133	CTE Tutoring	6	100.0	0	0.0	6
	All Others	13	100.0	0	0.0	13
CD 134	CTE Tutoring	7	100.0	0	0.0	7
	All Others	35	94.6	2	5.4	37
CD 141	CTE Tutoring	15	100.0	0	0.0	15
	All Others	43	86.0	7	14.0	50
CD 143	CTE Tutoring	5	100.0	0	0.0	5
	All Others	27	100.0	0	0.0	27
Other CD Courses	CTE Tutoring	7	87.5	1	12.5	8
	All Others	85	67.5	41	32.5	126

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CD courses include CD 115, CD 116, CD 153, and CD 210.

Success Rates: By Term and Course

Child Development (CD) Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	80	94.1	4	4.7	1	1.2	85
	All Others	354	71.7	34	6.9	106	21.5	494
Spring 2014	CTE Tutoring	77	97.5	0	0.0	2	2.5	79
	All Others	434	75.0	52	9.0	93	16.1	579
Overall	CTE Tutoring	157	95.7	4	2.4	3	1.8	164
	All Others	788	73.4	86	8.0	199	18.5	1,073

Child Development (CD) Success Rates by Course

		Successful		Not Successful		Withdrew		Total Enrollments
		#	%	#	%	#	%	
CD 106	CTE Tutoring	6	100.0	0	0.0	0	0.0	6
	All Others	29	87.9	2	6.1	2	6.1	33
CD 123	CTE Tutoring	6	85.7	0	0.0	1	14.3	7
	All Others	45	86.5	2	3.8	5	9.6	52
CD 124	CTE Tutoring	7	100.0	0	0.0	0	0.0	7
	All Others	49	83.1	3	5.1	7	11.9	59
CD 125	CTE Tutoring	11	100.0	0	0.0	0	0.0	11
	All Others	170	60.9	34	12.2	75	26.9	279
CD 126	CTE Tutoring	10	100.0	0	0.0	0	0.0	10
	All Others	42	80.8	5	9.6	5	9.6	52
CD 127	CTE Tutoring	18	100.0	0	0.0	0	0.0	18
	All Others	48	92.3	1	1.9	3	5.8	52
CD 128	CTE Tutoring	17	94.4	0	0.0	1	5.6	18
	All Others	35	85.4	4	9.8	2	4.9	41
CD 129	CTE Tutoring	15	100.0	0	0.0	0	0.0	15
	All Others	48	88.9	3	5.6	3	5.6	54
CD 130	CTE Tutoring	17	100.0	0	0.0	0	0.0	17
	All Others	19	95.0	1	5.0	0	0.0	20
CD 131	CTE Tutoring	4	50.0	4	50.0	0	0.0	8
	All Others	107	65.6	9	5.5	47	28.8	163
CD 132	CTE Tutoring	6	100.0	0	0.0	0	0.0	6
	All Others	15	100.0	0	0.0	0	0.0	15
CD 133	CTE Tutoring	6	100.0	0	0.0	0	0.0	6
	All Others	13	100.0	0	0.0	0	0.0	13
CD 134	CTE Tutoring	7	100.0	0	0.0	0	0.0	7
	All Others	34	91.9	1	2.7	2	5.4	37
CD 141	CTE Tutoring	15	100.0	0	0.0	0	0.0	15
	All Others	40	80.0	3	6.0	7	14.0	50
CD 143	CTE Tutoring	5	100.0	0	0.0	0	0.0	5
	All Others	25	92.6	2	7.4	0	0.0	27
Other CD Courses	CTE Tutoring	7	87.5	0	0.0	1	12.5	8
	All Others	69	54.8	16	12.7	41	32.5	126

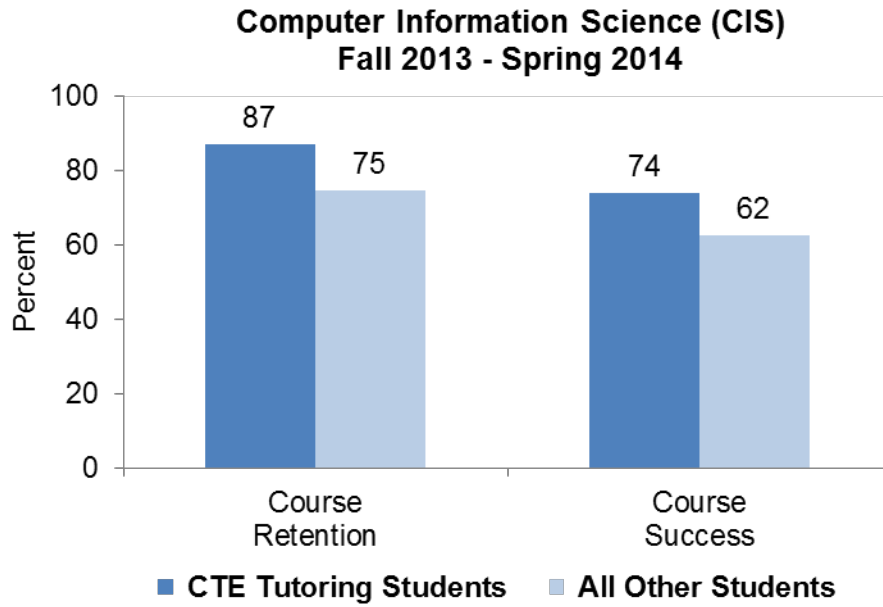
Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CD courses include CD 115, CD 116, CD 153, and CD 210.

Cuyamaca College
CTE Tutoring: Computer Information Science (CIS)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, CIS students who used CTE tutoring services had significantly higher course retention rates ($\chi^2 = 7.1, p < .01$) and course success rates ($\chi^2 = 4.8, p < .05$) than students in these courses who did not use CTE tutoring services.



Retention Rates: By Term and Course

Computer Information Science (CIS) Combined Retention Rates by Term

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	41	89.1	5	10.9	46
	All Others	403	74.6	137	25.4	540
Spring 2014	CTE Tutoring	39	84.8	7	15.2	46
	All Others	397	74.5	136	25.5	533
Overall	CTE Tutoring	80	87.0	12	13.0	92
	All Others	800	74.6	273	25.4	1,073

Computer Information Science (CIS) Retention Rates by Course

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CIS 110	CTE Tutoring	16	100.0	0	0.0	16
	All Others	262	64.1	147	35.9	409
CIS 120	CTE Tutoring	7	100.0	0	0.0	7
	All Others	96	83.5	19	16.5	115
CIS 121	CTE Tutoring	9	100.0	0	0.0	9
	All Others	38	86.4	6	13.6	44

Computer Information Science (CIS) Retention Rates by Course (continued)

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CIS 125	CTE Tutoring	6	75.0	2	25.0	8
	All Others	100	88.5	13	11.5	113
CIS 140	CTE Tutoring	5	71.4	2	28.6	7
	All Others	34	82.9	7	17.1	41
CIS 191	CTE Tutoring	7	77.8	2	22.2	9
	All Others	38	76.0	12	24.0	50
CIS 211	CTE Tutoring	4	80.0	1	20.0	5
	All Others	20	76.9	6	23.1	26
CIS 212	CTE Tutoring	8	88.9	1	11.1	9
	All Others	71	70.3	30	29.7	101
CIS 213	CTE Tutoring	4	80.0	1	20.0	5
	All Others	15	68.2	7	31.8	22
CIS 263	CTE Tutoring	7	100.0	0	0.0	7
	All Others	22	81.5	5	18.5	27
Other CIS Courses	CTE Tutoring	7	70.0	3	30.0	10
	All Others	104	83.2	21	16.8	125

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CIS courses include CIS 161, CIS 190, CIS 215, CIS 219, CIS 290, and CIS 291.

Success Rates: By Term and Course

Computer Information Science (CIS) Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	34	73.9	7	15.2	5	10.9	46
	All Others	338	62.6	65	12.0	137	25.4	540
Spring 2014	CTE Tutoring	34	73.9	5	10.9	7	15.2	46
	All Others	332	62.3	65	12.2	136	25.5	533
Overall	CTE Tutoring	68	73.9	12	13.0	12	13.0	92
	All Others	670	62.4	130	12.1	273	25.4	1,073

Computer Information Science (CIS) Success Rates by Course

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
CIS 110	CTE Tutoring	13	81.2	3	18.8	0	0.0	16
	All Others	204	49.9	58	14.2	147	35.9	409
CIS 120	CTE Tutoring	6	85.7	1	14.3	0	0.0	7
	All Others	85	73.9	11	9.6	19	16.5	115
CIS 121	CTE Tutoring	9	100.0	0	0.0	0	0.0	9
	All Others	36	81.8	2	4.5	6	13.6	44
CIS 125	CTE Tutoring	5	62.5	1	12.5	2	25.0	8
	All Others	93	82.3	7	6.2	13	11.5	113
CIS 140	CTE Tutoring	4	57.1	1	14.3	2	28.6	7
	All Others	24	58.5	10	24.4	7	17.1	41

Computer Information Science (CIS) Success Rates by Course (continued)

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
CIS 191	CTE Tutoring	5	55.6	2	22.2	2	22.2	9
	All Others	24	48.0	14	28.0	12	24.0	50
CIS 211	CTE Tutoring	3	60.0	1	20.0	1	20.0	5
	All Others	16	61.5	4	15.4	6	23.1	26
CIS 212	CTE Tutoring	7	77.8	1	11.1	1	11.1	9
	All Others	62	61.4	9	8.9	30	29.7	101
CIS 213	CTE Tutoring	3	60.0	1	20.0	1	20.0	5
	All Others	14	63.6	1	4.5	7	31.8	22
CIS 263	CTE Tutoring	7	100.0	0	0.0	0	0.0	7
	All Others	21	77.8	1	3.7	5	18.5	27
Other CIS Courses	CTE Tutoring	6	60.0	1	10.0	3	30.0	10
	All Others	91	72.8	13	10.4	21	16.8	125

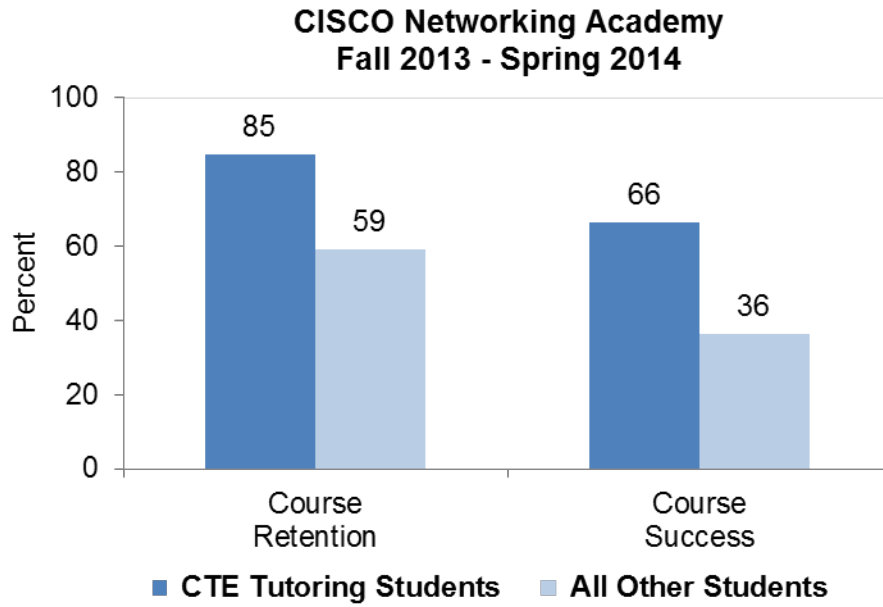
Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CIS courses include CIS 161, CIS 190, CIS 215, CIS 219, CIS 290, and CIS 291.

Cuyamaca College
CTE Tutoring: CISCO Networking Academy (CISCO)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, CISCO students who used CTE tutoring services had significantly higher course retention rates ($\chi^2 = 13.9, p < .001$) and course success rates ($\chi^2 = 14.7, p < .001$) than students in these courses who did not use CTE tutoring services.



Retention Rates: By Term and Course

CISCO Networking Academy (CISCO) Combined Retention Rates by Term

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	60	84.5	11	15.5	71
	All Others	10	52.6	9	47.4	19
Spring 2014	CTE Tutoring	28	84.8	5	15.2	33
	All Others	29	61.7	18	38.3	47
Overall	CTE Tutoring	88	84.6	16	15.4	104
	All Others	39	59.1	27	40.9	66

CISCO Networking Academy (CISCO) Retention Rates by Course

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CISCO 201	CTE Tutoring	21	84.0	4	16.0	25
	All Others	15	50.0	15	50.0	30
CISCO 203	CTE Tutoring	10	90.9	1	9.1	11
	All Others	3	50.0	3	50.0	6

CISCO Networking Academy (CISCO) Retention Rates by Course (continued)

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CISCO 206	CTE Tutoring	4	80.0	1	20.0	5
	All Others	5	100.0	0	0.0	5
Other CISCO Courses	CTE Tutoring	53	84.1	10	15.9	63
	All Others	16	64.0	9	36.0	25

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CISCO courses include CISCO 202, CISCO 204, CISCO 205, CISCO 207, CISCO 208, and CISCO 209.

Success Rates: By Term and Course

CISCO Networking Academy (CISCO) Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	49	69.0	11	15.5	11	15.5	71
	All Others	5	26.3	5	26.3	9	47.4	19
Spring 2014	CTE Tutoring	20	60.6	8	24.2	5	15.2	33
	All Others	19	40.4	10	21.3	18	38.3	47
Overall	CTE Tutoring	69	66.3	19	18.3	16	15.4	104
	All Others	24	36.4	15	22.7	27	40.9	66

CISCO Networking Academy (CISCO) Success Rates by Course

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
CISCO 201	CTE Tutoring	10	40.0	11	44.0	4	16.0	25
	All Others	4	13.3	11	36.7	15	50.0	30
CISCO 203	CTE Tutoring	7	63.6	3	27.3	1	9.1	11
	All Others	2	33.3	1	16.7	3	50.0	6
CISCO 206	CTE Tutoring	4	80.0	0	0.0	1	20.0	5
	All Others	4	80.0	1	20.0	0	0.0	5
Other CISCO Courses	CTE Tutoring	48	76.2	5	7.9	10	15.9	63
	All Others	14	56.0	2	8.0	9	36.0	25

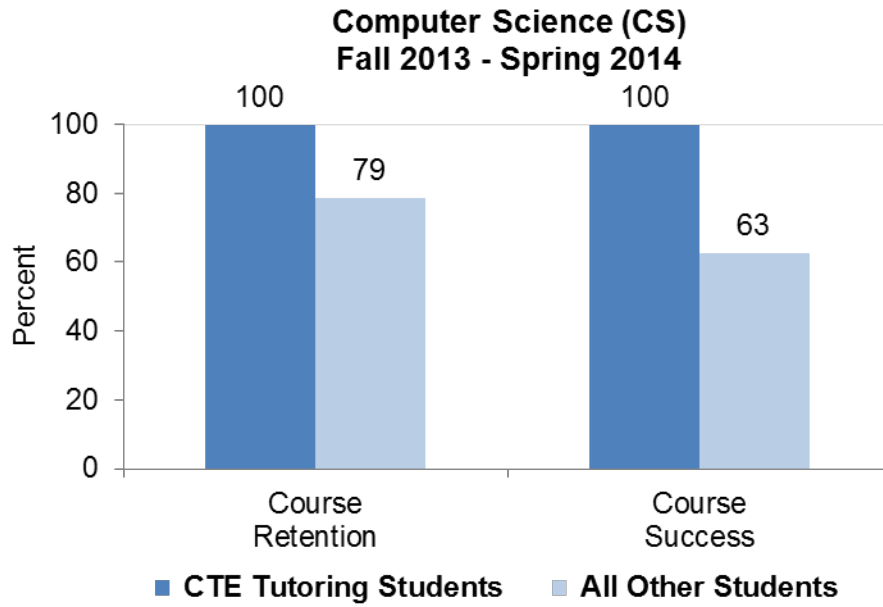
Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CISCO courses include CISCO 202, CISCO 204, CISCO 205, CISCO 207, CISCO 208, and CISCO 209.

Cuyamaca College
CTE Tutoring: Computer Science (CS)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, rates of course retention and rates of course success for CS students who used CTE tutoring services were higher than for CS students who did not use CTE tutoring services, however only the difference in success rates reached statistical significance ($\chi^2 = 6.8, p < .01$).



Retention Rates: By Term and Course

Computer Science (CS) Combined Retention Rates by Term

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	8	100.0	0	0.0	8
	All Others	42	85.7	7	14.3	49
Spring 2014	CTE Tutoring	4	100.0	0	0.0	4
	All Others	42	72.4	16	27.6	58
Overall	CTE Tutoring	12	100.0	0	0.0	12
	All Others	84	78.5	23	21.5	107

Computer Science (CS) Retention Rates by Course

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
CS 119	CTE Tutoring	7	100.0	0	0.0	7
	All Others	46	80.7	11	19.3	57
Other CS Courses	CTE Tutoring	5	100.0	0	0.0	5
	All Others	38	76.0	12	24.0	50

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CS courses include CS 181 and CS 182.

Success Rates: By Term and Course

Computer Science (CS) Combined Success Rates by Term

		Successful		Not Successful		Withdrew		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	8	100.0	0	0.0	0	0.0	8
	All Others	31	63.3	11	22.4	7	14.3	49
Spring 2014	CTE Tutoring	4	100.0	0	0.0	0	0.0	4
	All Others	36	62.1	6	10.3	16	27.6	58
Overall	CTE Tutoring	12	100.0	0	0.0	0	0.0	12
	All Others	67	62.6	17	15.9	23	21.5	107

Computer Science (CS) Success Rates by Course

		Successful		Not Successful		Withdrew		Total Enrollments
		#	%	#	%	#	%	
CS 119	CTE Tutoring	7	100.0	0	0.0	0	0.0	7
	All Others	37	64.9	9	15.8	11	19.3	57
Other CS Courses	CTE Tutoring	5	100.0	0	0.0	0	0.0	5
	All Others	30	60.0	8	16.0	12	24.0	50

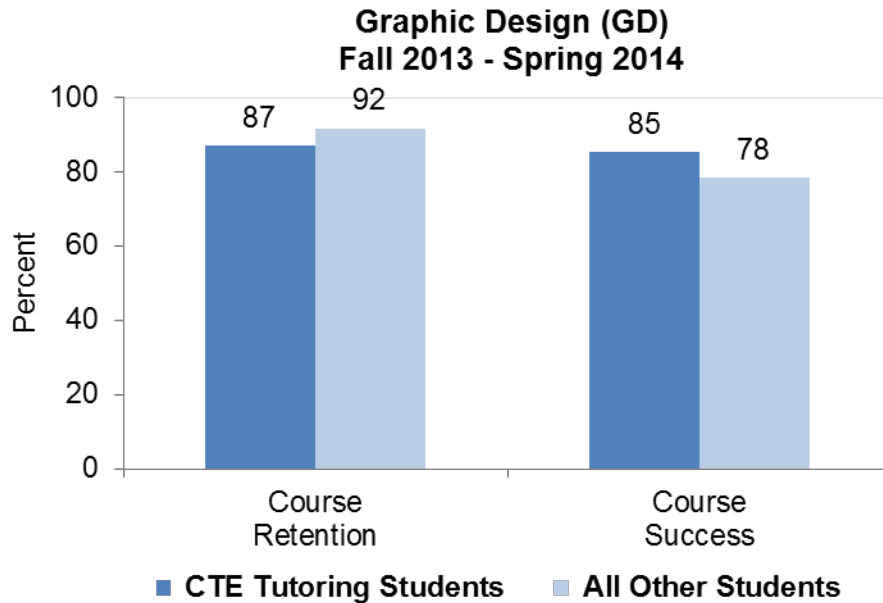
Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other CS courses include CS 181 and CS 182.

Cuyamaca College
CTE Tutoring: Graphic Design (GD)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, course retention and course success rates for GD students who used CTE tutoring services were not significantly different from GD students who did not use CTE tutoring services.



Retention Rates: By Term and Course

Graphic Design (GD) Combined Retention Rates by Term

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	13	100.0	0	0.0	13
	All Others	156	94.0	10	6.0	166
Spring 2014	CTE Tutoring	34	82.9	7	17.1	41
	All Others	174	89.7	20	10.3	194
Overall	CTE Tutoring	47	87.0	7	13.0	54
	All Others	330	91.7	30	8.3	360

Graphic Design (GD) Retention Rates by Course

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
GD 105	CTE Tutoring	4	80.0	1	20.0	5
	All Others	131	89.7	15	10.3	146
GD 110	CTE Tutoring	6	100.0	0	0.0	6
	All Others	19	86.4	3	13.6	22
GD 126	CTE Tutoring	5	100.0	0	0.0	5
	All Others	38	97.4	1	2.6	39

Graphic Design (GD) Retention Rates by Course (continued)

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
GD 130	CTE Tutoring	5	83.3	1	16.7	6
	All Others	20	100.0	0	0.0	20
GD 222	CTE Tutoring	5	71.4	2	28.6	7
	All Others	12	70.6	5	29.4	17
GD 225	CTE Tutoring	5	100.0	0	0.0	5
	All Others	26	89.7	3	10.3	29
Other GD Courses	CTE Tutoring	17	85.0	3	15.0	20
	All Others	84	96.6	3	3.4	87

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other GD courses include GD 125, GD 129, GD 210, GD 211, GD 217, and GD 230.

Success Rates: By Term and Course

Graphic Design (GD) Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	12	92.3	1	7.7	0	0.0	13
	All Others	135	81.3	21	12.7	10	6.0	166
Spring 2014	CTE Tutoring	34	82.9	0	0.0	7	17.1	41
	All Others	147	75.8	27	13.9	20	10.3	194
Overall	CTE Tutoring	46	85.2	1	1.9	7	13.0	54
	All Others	282	78.3	48	13.3	30	8.3	360

Graphic Design (GD) Success Rates by Course

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
GD 105	CTE Tutoring	4	80.0	0	0.0	1	20.0	5
	All Others	112	76.7	19	13.0	15	10.3	146
GD 110	CTE Tutoring	6	100.0	0	0.0	0	0.0	6
	All Others	17	77.3	2	9.1	3	13.6	22
GD 126	CTE Tutoring	5	100.0	0	0.0	0	0.0	5
	All Others	31	79.5	7	17.9	1	2.6	39
GD 130	CTE Tutoring	5	83.3	0	0.0	1	16.7	6
	All Others	18	90.0	2	10.0	0	0.0	20
GD 222	CTE Tutoring	5	71.4	0	0.0	2	28.6	7
	All Others	10	58.8	2	11.8	5	29.4	17
GD 225	CTE Tutoring	5	100.0	0	0.0	0	0.0	5
	All Others	20	69.0	6	20.7	3	10.3	29
Other GD Courses	CTE Tutoring	16	80.0	1	5.0	3	15.0	20
	All Others	74	85.1	10	11.5	3	3.4	87

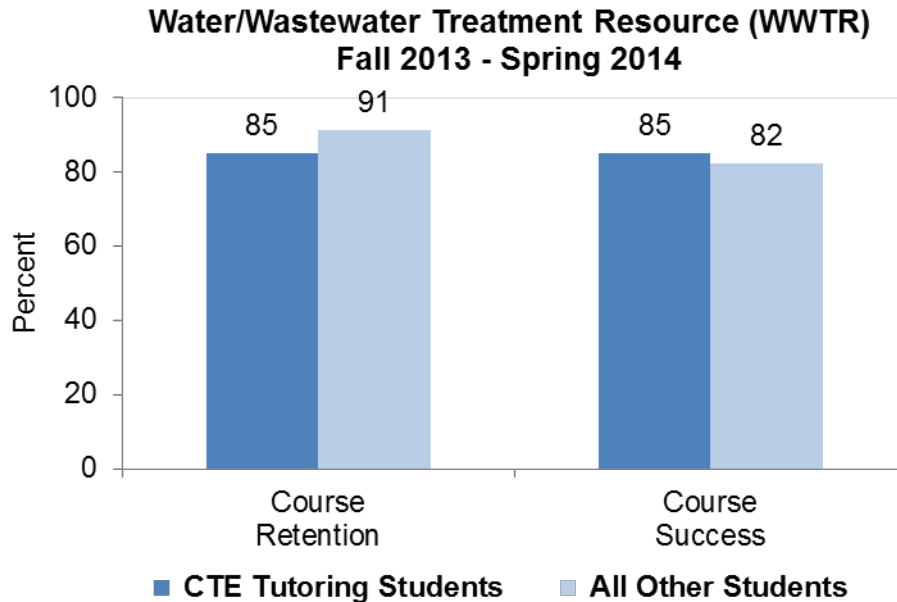
Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. Other GD courses include GD 125, GD 129, GD 210, GD 211, GD 217, and GD 230.

Cuyamaca College
CTE Tutoring: Water/Wastewater Treatment Resource (WWTR)
 Fall 2013 - Spring 2014

Summary of Findings

- Overall, course retention and course success rates for WWTR students who used CTE tutoring services were not significantly different from WWTR students who did not use CTE tutoring services.



Retention Rates: By Term and Course

Water/Wastewater Treatment Resource (WWTR) Combined Retention Rates by Term

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
Fall 2013	CTE Tutoring	17	89.5	2	10.5	19
	All Others	274	91.6	25	8.4	299
Spring 2014	CTE Tutoring	0	0.0	1	100.0	1
	All Others	16	84.2	3	15.8	19
Overall	CTE Tutoring	17	85.0	3	15.0	20
	All Others	290	91.2	28	8.8	318

Water/Wastewater Treatment Resource (WWTR) Retention Rates by Course

		Retained		Withdrawn		Total Enrollments
		#	%	#	%	
WWTR Courses	CTE Tutoring	17	85.0	3	15.0	20
	All Others	290	91.2	28	8.8	318

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. WWTR courses include WWTR 101, WWTR 102, WWTR 103, WWTR 110, WWTR 112, WWTR 114, WWTR 132, WWTR 134, WWTR 265, and WWTR 284.

Success Rates: By Term and Course

Water/Wastewater Treatment Resource (WWTR) Combined Success Rates by Term

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
Fall 2013	CTE Tutoring	17	89.5	0	0.0	2	10.5	19
	All Others	246	82.3	28	9.4	25	8.4	299
Spring 2014	CTE Tutoring	0	0.0	0	0.0	1	100.0	1
	All Others	15	78.9	1	5.3	3	15.8	19
Overall	CTE Tutoring	17	85.0	0	0.0	3	15.0	20
	All Others	261	82.1	29	9.1	28	8.8	318

Water/Wastewater Treatment Resource (WWTR) Success Rates by Course

		Successful		Not Successful		Withdrawn		Total Enrollments
		#	%	#	%	#	%	
WWTR Courses	CTE Tutoring	17	85.0	0	0.0	3	15.0	20
	All Others	261	82.1	29	9.1	28	8.8	318

Note 1. Course-level data should be interpreted with caution due to small sample size and low cell counts.

Note 2. WWTR courses include WWTR 101, WWTR 102, WWTR 103, WWTR 110, WWTR 112, WWTR 114, WWTR 132, WWTR 134, WWTR 265, and WWTR 284.