



2100 Chester Avenue
Bakersfield, CA 93301-4099

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|---|---|
| <input type="checkbox"/> Business Services | <input type="checkbox"/> Bakersfield College |
| <input type="checkbox"/> Educational Services | <input type="checkbox"/> Cerro Coso Community College |
| <input type="checkbox"/> Human Resources | <input type="checkbox"/> Porterville College |
| <input type="checkbox"/> Administrative | <input type="checkbox"/> District Office |

Request for Board Action

Board of Trustees		Date September 20, 2010	
1. Action Requested			
Presentation of Cerro Coso Community College two year occupational program reviews as mandated by Title 5 (Section 78016) which requires the Board of Trustees to review for documented labor market demand non-duplication.			
2. Background/Purpose/Analysis			
The following programs have been evaluated for documented labor market demand non-duplication: Administration of Justice, Business, Business Office Technology, Child Development, Computer Information Systems, Emergency Medical Technology, Fire Technology, Paralegal and Web Design)			
3. Type of Agreement		4. Contractor or Grantor	
NA		NA	
5. Contract or Grant Number	6. Term	7. Fund that financial activity will be accounted for/in incl title	8. Amount of Agreement
			<input type="checkbox"/> Income _____ <input type="checkbox"/> Expense _____
NOTES:			
9. Bid Process			
N/A			
Required Signatures			
Initiator's Name-Please print or type		Signature	Date
Valerie Karnes			
Initiator Supervisor's Name-Please print or type		Signature	Date
Valerie Karnes			
Vice President's Name-Please print or type		Signature	Date
Dr. James Fay			
Director, Business Services' Name-Please print or type		Signature	Date
Gale Lebsock			
College President's Name-Please print or type		Signature	Date
Jill Board			
Director of Information Technology/Vice Chancellor, Educational Services (If applicable—See Format Instructions) Name-Please print or type		Signature	Date
Thomas Burke/John Means			

Recommended for Board Action _____
Vice Chancellor/Chief Financial Officer



CTE 2 YEAR PROGRAM REVIEW: Administration of Justice

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report? **2105.00 Administration of Justice**

Occupations shown in the above program report include:

- 33-3051 Police and sheriff's patrol officers
- 33-3021 Detectives and criminal investigators
- 33-9021 Private detectives and investigators
- 33-9031 Gaming surveillance officers and investigators
- 33-3011 Bailiffs

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	372	2,071
B) number of jobs within the above occupations(s) for 2010	413	2,221
C) number and percent change (2005 to 2010)	40 (11%)	149 (7%)
D) the average hourly earnings for the above occupation(s)	\$32.95	\$30.39
E) number of completions (awards) from our college 2009	13	13
F) number of completions (awards) from regional colleges	--	114
G) average number of completions over last five years at Cerro Coso	13	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	413	2,221
B) number of jobs within the above occupations(s) for 2015	452	2,449
C) number and percent change (2010 to 2015)	39 (9%)	229 (10%)
D) the average hourly earnings for the above occupation(s)	\$32.95	\$30.39
E) number of annual openings	17	100

Does the above program meet a documented labor market demand? Please explain.

The Administration of Justice Program of Cerro Coso Community College meets the documented demand via a two-fold program. The first serves the core training requirements for an Associate's of Science (AS) Degree and the Administration of Justice Certificate. The second offers State of California Commission on Peace Officer Standards and Training (POST) Certified training for potential employment within the criminal justice community.

The purpose of the Administration of Justice degree tract is to provide high quality courses required for completion of an AS degree, which will further a student's potential employment within the criminal



CTE 2 YEAR PROGRAM REVIEW: Administration of Justice

justice system. This facet of the program is a central link to the Career Technical Education component of the college.

The POST Certification portion of the program has the most direct link to the Career Technical Education component. Through these programs students can gain the training to apply for employment as police officers, detention/correctional officers, and private security officers. This program additionally strives to continually meet the in-service training needs of current law enforcement officers.

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

- 33-3051 Police and sheriff's patrol officers
- 33-3021 Detectives and criminal investigators
- 33-9021 Private detectives and investigators
- 33-9031 Gaming surveillance officers and investigators
- 33-3011 Bailiffs

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Cerro Coso Community College (CC), Criminal Justice/Police Science, produced 13 graduates in 2009.
2. College of the Sequoias, Criminal Justice/Police Science, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 49 graduates in 2009.
3. Porterville College, Criminal Justice/Police Science, <165 miles from CC, public community college with ~4,400 students in fall 2009, produced 26 graduates in 2009.
4. Bakersfield College, Criminal Justice/Police Science, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 24 graduates in 2009.
5. Taft College, Criminal Justice/Police Science, <143 miles from CC, public community college, with ~7,000 students in fall 2009, produced 15 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

The Administration of Justice Program of Cerro Coso Community College does not represent a duplication of effort within our service areas. The program has continued to show innovation in reaching our students through online and face-to-face courses. This program was requested by the



CTE 2 YEAR PROGRAM REVIEW: Administration of Justice

largest law enforcement agency in Kern County to serve as their partner on all their training needs. This facet alone displays the effectiveness of this program.



Business, Business Administration, Business Management, Small Business Management, and Entrepreneurship. See separate reports for Business Office Technology.

CTE 2 YEAR PROGRAM REVIEW: Business

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report? 0501.00 Business and Commerce; 0505.00 Business Administration; 0506.00 Business Management; and 0506.40 Small Business and Entrepreneurship

Occupations shown in the above program report include:

11-9199 Managers	11-1011 Chief executives
37-1011 and 39-1021 First line supervisors	11-1021 General and operations managers
13-1051 Cost estimators	11-2022 Sales managers
11-3071 Trans. storage & distribution mgrs	11-3011 Administrative services managers
11-3051 Industrial production managers	11-9021 Construction managers
39-1011 Gaming supervisors	11-9151 Social and community service mgrs

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	791	7,065
B) number of jobs within the above occupations(s) for 2010	871	7,699
C) number and percent change (2005 to 2010)	80 (10%)	634 (9%)
D) the average hourly earnings for the above occupation(s)	\$17.74	\$19.94
E) number of completions (awards) from our college in 2009	33	33
F) number of completions (awards) from regional colleges 2009	0	601
G) average number of completions over last five years at Cerro Coso	43	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	871	7,699
B) number of jobs within the above occupations(s) for 2015	969	8,751
C) number and percent change (2010 to 2015)	97 (11%)	1,052 (14%)
D) the average hourly earnings for the above occupation(s)	\$17.74	\$19.94
E) number of annual openings	40	392

Does the above program meet a documented labor market demand? Please explain.

The Business Programs meet the documented labor market demand for degree and certificate completers. The actual number of people completing at least one business degree or certificate in the past five years is 190, making an average of 38 individuals on average towards meeting labor market demand. The number above (43) includes the actual number of degrees and certificates awarded, since some students earn more than one degree or a lower level certificate. Additionally, some students are known to transfer to a four year school to pursue a bachelor's degree and their final place of employment is unknown. Additionally, in the Cerro Coso service area there are many known jobs that are not documented because employer's corporate offices (and zip codes) are out of state. For example, positions appropriate for business grads that such as those required by aerospace contractors, the naval air warfare center at China Lake, and even some of our own Cerro Coso Community College classified positions are not captured in reporting systems used for data in this review.



CTE 2 YEAR PROGRAM REVIEW: Business

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

11-9199 Managers	11-1011 Chief executives
37-1011 and 39-1021 First line supervisors	11-1021 General and operations managers
13-1051 Cost estimators	11-2022 Sales managers
11-3071 Trans. storage & distribution mgrs	11-3011 Administrative services managers
11-3051 Industrial production managers	11-9021 Construction managers
39-1011 Gaming supervisors	11-9151 Social and community service mgrs

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year (2009).

1. CSU Bakersfield, Business Administration & Public Administration, <120 miles from CC, public four year university, with <7,800 students in fall 2009, produced 335 graduates in 2009.
2. San Joaquin Valley College, Business Administration, with sites in Bakersfield and Visalia (between 120-190 miles from CC), with ~1,400 students in fall 2008 (based on IPEDS), produced 136 graduates in 2009.
3. Bakersfield College, Business Administration & Human Services, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 123 graduates in 2009.
4. College of the Sequoias, Business Administration & Human Services, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 48 graduates in 2009.
5. Santa Barbara Business College, Business/Commerce, <120 miles from CC, with ~700 students in fall 2008 (based on IPEDS), produced 27 graduates in 2009.
6. Porterville College, Business/Commerce, <165 miles from CC, public community college with ~4,400 students in fall 2009, produced 24 graduates in 2009.
7. Taft College, Business/Commerce, <143 miles from CC, public community college, with ~7,000 students in fall 2009, produced 13 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No. The program does not represent unnecessary duplication of training programs and other regional colleges offering a similar program are too far away to impact employer's needs in our service area.



CTE 2 YEAR PROGRAM REVIEW: (Business) Office Technology

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report? 0514.00 Office Technology & Computer Applications

Occupations shown in the above program report include:

- 43-6011 Executive secretaries and administrative assistants
- 43-6014 Secretaries (except legal, medical and executive)

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	891	7,874
B) number of jobs within the above occupations(s) for 2010	876	7,694
C) number and percent change (2005 to 2010)	-15 (-2%)	-181 (-2%)
D) the average hourly earnings for the above occupation(s)	\$16.43	\$16.51
E) number of completions (awards) from our college 2009	1	0
F) number of completions (awards) from regional colleges 2009	--	21
G) average number of completions over last five years at Cerro Coso	3	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	876	7,694
B) number of jobs within the above occupations(s) for 2015	958	8,334
C) number and percent change (2010 to 2015)	82 (9%)	641 (8%)
D) the average hourly earnings for the above occupation(s)	\$16.43	\$16.51
E) number of annual openings	28	232

Does the above program meet a documented labor market demand? Please explain.

Business Office Technology is expanding to meet the documented labor market demand for degree and certificate completers. The actual number of people completing the degree or a certificate in the past five years is 14, plus three individuals completed a lower unit certificate and a degree. In the Cerro Coso service area there are many known jobs that are not documented because employer's corporate offices are out of state. For example, office positions required by aerospace contractors, the naval air warfare center at China Lake, and even our own Cerro Coso Community College classified office positions are not captured in reporting systems because the corporate offices are located outside our service area. We are expecting to increase completers to fill these and other known service area needs as the program is gaining momentum in both certificate and Business Office Technology Associate of Science Degree completers.



CTE 2 YEAR PROGRAM REVIEW: (Business) Office Technology

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

- 43-6011 Executive secretaries and administrative assistants
- 43-6014 Secretaries (except legal, medical and executive)

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Milan Institute, Admin Assistant, <195 miles from CC, private two-year, with ~300 students in fall 2009, produced 36 graduates in 2009.
2. Porterville College, Administrative Assistant, <165 miles from CC, public community college with ~4,400 students in fall 2009, produced 11 graduates in 2009.
3. Bakersfield College, Administrative Assistant, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 7 graduates in 2009.
4. College of the Sequoias, Administrative Assistant, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 3 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No. The program does not represent unnecessary duplication of training programs and other regional colleges offering a similar program are too far away to impact employer's needs in our service area.



CTE 2 YEAR PROGRAM REVIEW: Child Development

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report? 1305.00 Child Development

Occupations shown in the above program report include:

- 39-9011 Child care workers
- 21-1093 Social and human service assistants
- 21-1021 Child, family and school social workers
- 25-2011 Preschool teachers, except special education

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	1,159	11,565
B) number of jobs within the above occupations(s) for 2010	1,421	14,283
C) number and percent change (2005 to 2010)	261 (23%)	2,718 (24%)
D) the average hourly earnings for the above occupation(s)	\$9.50	\$9.36
E) number of completions (awards) from our college 2009	6*	0
F) number of completions (awards) from regional colleges 2009	0	0
G) average number of completions over last five years at Cerro Coso	8	--

*Note: no awards are reported in EMSI for CC in 2009

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	1,421	14,283
B) number of jobs within the above occupations(s) for 2015	1,614	16,569
C) number and percent change (2010 to 2015)	195 (14%)	2,285
D) the average hourly earnings for the above occupation(s)	\$9.50	\$9.36
E) number of annual openings	78	849

Does the above program meet a documented labor market demand? Please explain.

Jobs. There is clear and growing demand for Child Care and Development professionals as demonstrated by the EMSI data which, while the best source of data currently available, does not capture employment data for employers outside of Cerro Coso service area zip codes. Ironically, this means that our own Cerro Coso Child Development Center/Lab School is not reflected in the data since payroll comes from Bakersfield which is not in the Cerro Coso service area. The largest employers in our



CTE 2 YEAR PROGRAM REVIEW: Child Development

service area are not captured in the data: NAWS China Lake Child Development Centers, Edwards AFB Child Development Centers, Head Start and Cerro Coso CDC/Lab Schools (Ridgecrest and California City).

Awards, Certificates, AS Degree. Cerro Coso currently requires students to request awards, certificates and the AS Degree each time the student fulfills the specific requirements for each distinct award, certificate and the AS Degree. This has been a topic of conversation at CTE (and other) meetings at Cerro Coso for more than a decade. We recognize that it is not in the students' best interest nor in our CTE programs' best interests to require students to request rather than our automatically conferring each award, certificate and degree as it is earned. The Child Development program faculty intends to work with the Cerro Coso Institutional Researcher (when hired) and any other appropriate personnel to make the process automatic for students and capture data about number of awards, certificates and AS Degrees earned.

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report includes:

- 39-9011 Child care workers
- 21-1093 Social and human service assistants
- 21-1021 Child, family and school social workers
- 25-2011 Preschool teachers, except special education

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Bakersfield College, Child Care Provider/Asst, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 262 graduates in 2009.
2. CSU Bakersfield, Early Childhood Education & Social Work, <120 miles from CC, public four year university, with <7,800 students in fall 2009, produced 112 graduates in 2009.
3. College of the Sequoias, Child Care Provider/Asst, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 75 graduates in 2009.
4. Porterville College, Child Care Provider/Asst, <165 miles from CC, public community college with ~4,400 students in fall 2009, produced 31 graduates in 2009.
5. Taft College, Child Care Provider/Asst, <143 miles from CC, public community college, with ~7,000 students in fall 2009, produced 20 graduates in 2009.



CTE 2 YEAR PROGRAM REVIEW: Child Development

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No, because we are the only accredited college in our >18000 square mile service area.



CTE 2 YEAR PROGRAM REVIEW: Computer Information Systems

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

0701.00 Information Technology and 0702.00 Computer Information Systems

Occupations shown in the above program report include:

15-1099 Computer specialists

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	218	571
B) number of jobs within the above occupations(s) for 2010	231	610
C) number and percent change (2005 to 2010)	13 (6%)	39 (7%)
D) the average hourly earnings for the above occupation(s)	\$36.54	\$36.20
E) number of completions (awards) from our college 2009	4	4
F) number of completions (awards) from regional colleges 2009	0	20
G) average number of completions over last five years at Cerro Coso	4	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	231	610
B) number of jobs within the above occupations(s) for 2015	236	637
C) number and percent change (2010 to 2015)	5 (2%)	27 (4%)
D) the average hourly earnings for the above occupation(s)	\$36.54	\$36.20
E) number of annual openings	6	18

Does the above program meet a documented labor market demand? Please explain.

The Computer Information Systems program meets the documented labor market demand for degree and certificate completers. In the Cerro Coso service area there are many known jobs that are not documented because employer's corporate offices are out of state. For example, positions appropriate for CIS grads such as those required by aerospace contractors, the naval air warfare center at China Lake, and even our own Cerro Coso Community College classified IT staff are not captured in this reporting system because the corporate offices are located outside our service area.

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report



CTE 2 YEAR PROGRAM REVIEW: Computer Information Systems

Occupations shown in the above occupational programs report include:

- 15-1041 Computer support specialists
- 15-1051 Computer systems analysts
- 15-1071 Network and computer systems administrators

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Cerro Coso Community College, Information Technology, produced 4 graduates in 2009.
2. Kaplan College, Computer Specialists, <115 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 36 graduates in 2009 with another 104 grads in medical office computer assistants.
3. San Joaquin Valley College, Computer Specialists, sites in Bakersfield and Visalia (between 120-190 miles from CC), private two year, with ~1,400 students in fall 2008 (based on IPEDS), produced 12 graduates in 2009.
4. Santa Barbara Business College, Information Technology, <120 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 12 graduates in 2009.
5. Bakersfield College, Information Technology, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 7 graduates in 2009.
6. College of the Sequoias, Information Technology, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 7 graduates in 2009.
7. Porterville College, Information Technology, <165 miles from CC, public community college with ~4,400 students in fall 2009, produced 6 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No. The program does not represent unnecessary duplication of training programs and other regional colleges offering a similar program are too far away to impact employer's needs in our service area.



CTE 2 YEAR PROGRAM REVIEW: Emergency Medical Technician

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

1250.00 Emergency Medical Services

Occupations shown in the above program report include:

- 29-2041 Emergency medical technicians and paramedics
- 53-3011 Ambulance drivers and attendants

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	96	399
B) number of jobs within the above occupations(s) for 2010	80	405
C) number and percent change (2005 to 2010)	-16 (-17%)	6 (2%)
D) the average hourly earnings for the above occupation(s)	\$17.70	\$13.01
E) number of completions (awards) from our college 2009	0	0
F) number of completions (awards) from regional colleges 2009	0	66
G) average number of completions over last five years at Cerro Coso	0	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	80	405
B) number of jobs within the above occupations(s) for 2015	83	428
C) number and percent change (2010 to 2015)	3 (4%)	23 (6%)
D) the average hourly earnings for the above occupation(s)	\$17.70	\$13.01
E) number of annual openings	3	14

Does the above program meet a documented labor market demand? Please explain.

The Emergency Medical Technician (EMT) course at Cerro Coso Community College is not a program; it is a stand-alone offering that satisfies the training requirements for the National Registry for Emergency Medical Technicians. While not all completers vie for positions within the EMT field the training received does help qualify students for careers in law enforcement, security, ski patrol and firefighting. It does fill a need within our service area which is evident by the number of completers.



CTE 2 YEAR PROGRAM REVIEW: Emergency Medical Technician

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

29-2041 Emergency Medical Technicians and Paramedics

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Cerro Coso Community College produced 0 graduates in 2009.
2. College of the Sequoias, EMT/Paramedic, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 66 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

The Emergency Medical Technician courses are not part of a program and are not a duplication of other training courses. If the courses were not offered to our service areas there would be no other course offerings available.



CTE 2 YEAR PROGRAM REVIEW: Fire Technology

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

2133.00 Fire Technology

Occupations shown in the above program report include:

- 33-2011 Fire fighters
- 33-2021 Fire inspectors and investigators
- 33-2022 Forest fire inspectors and prevention specialists

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	112	692
B) number of jobs within the above occupations(s) for 2010	128	764
C) number and percent change (2005 to 2010)	16 (14%)	72 (10%)
D) the average hourly earnings for the above occupation(s)	\$30.02	\$26.49
E) number of completions (awards) from our college 2009	0	0
F) number of completions (awards) from regional colleges 2009	0	94
G) average number of completions over last five years at Cerro Coso	0	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	128	764
B) number of jobs within the above occupations(s) for 2015	146	874
C) number and percent change (2010 to 2015)	18 (14%)	110 (14%)
D) the average hourly earnings for the above occupation(s)	\$30.02	\$26.49
E) number of annual openings	7	45

Does the above program meet a documented labor market demand? Please explain.

The Fire Program at Cerro Coso Community College has been inactive for the last 12 years. In meeting with advisory groups and industry personnel it was revealed there is a need for Fire Program offerings within our service areas. To that end the program was reactivated and we are proceeding with the growth of the program to help fill the needs of our service areas. We will respond to this unmet need in the coming years and anticipate a strong program for the future.



CTE 2 YEAR PROGRAM REVIEW: Fire Technology

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

33-2011 Municipal fire fighters

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Cerro Coso Community College produced 0 graduates in 2009.
2. Bakersfield College, Fire Science, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 50 graduates in 2009.
3. College of the Sequoias, Fire Science, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 44 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

As referenced above the unmet needs within our service areas have started to be addresses. This program will not duplicate the efforts of other colleges well outside our offering areas. The program will address the needs of the industry leaders within all our service areas.



CTE 2 YEAR PROGRAM REVIEW: Health Careers

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

1208.00 Medical Assisting; 1230.30 Certified Nurse Asst.; and 1230.80 Home Health Aide.

Occupations shown in the above program report include:

- 31-1011 Home health aides
- 31-1012 Nursing aides, orderlies (Certified Nursing Asst)
- 31-9092 Medical assistants
- 31-9093 Medical equipment preparers
- 39-9021 Personal and home care aides

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	714	10,246
B) number of jobs within the above occupations(s) for 2010	779	11,512
C) number and percent change (2005 to 2010)	65 (9%)	1265 (12%)
D) the average hourly earnings for the above occupation(s)	\$10.50	\$10.70
E) number of completions (awards) from our college 2009	0	0
F) number of completions (awards) from regional colleges 2009	0	842
G) average number of completions over last five years at Cerro Coso	0	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	779	11,512
B) number of jobs within the above occupations(s) for 2015	880	13,281
C) number and percent change (2010 to 2015)	100 (13%)	1771 (15%)
D) the average hourly earnings for the above occupation(s)	\$10.50	\$10.70
E) number of annual openings	30	480

Does the above program meet a documented labor market demand? Please explain.

Currently Cerro Coso Community College offers the only training program in the respected communities for Certified Nursing Assistants, Home Health Aides and Medical Assistants. These programs are projected to continue to grow at 13% within the next 5 years. The need to expand these programs in specific areas needs to be addressed in the future.



CTE 2 YEAR PROGRAM REVIEW: Health Careers

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

- 31-1011 Home health aides
- 31-1012 Nursing aides (Certified Nursing Asst.)
- 31-9092 Medical Assistants
- 31-9093 Medical equipment preparers
- 39-9021 Personal and home care aides

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. San Joaquin Valley College, Medical Office Mgmt & Clinical Asst., sites in Bakersfield and Visalia (between 120-190 miles from CC), private two year, with ~1,400 students in fall 2008, produced 357 graduates in 2009.
2. Kaplan College, Medical/Clinical Asst., <115 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 233 graduates in 2009.
3. Milan Institute, Medical Asst., <180 miles from CC, private two year, with ~300 students in fall 2009, produced 123 graduates in 2009.
4. Bakersfield College, Nursing Asst., <120 miles from CC, public community college, with ~18,000 students in fall 2009, produced 99 graduates in 2009.
5. College of the Sequoias, Nursing Asst., <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 60 graduates in 2009.
6. Santa Barbara Business College, Nursing, <120 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 19 graduates in 2009.
7. California College of Vocational Careers, Medical Assisting, <120 miles from CC, private two year, with <100 students in fall 2009, produced 42 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

There are no other programs in the area that offer similar courses and we are not in direct competition with any other facility. In fact we are the sole training facility for Certified Nursing Assistants in the Mammoth/Bishop, Ridgecrest, and Kern River Valley at this time. We are also the only training facility for Home Health Aides and Medical Assistants in the Ridgecrest, Mammoth/Bishop and Kern River Valley areas.



CTE 2 YEAR PROGRAM REVIEW: Health Careers



CTE 2 YEAR PROGRAM REVIEW: Vocational Nursing

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

1230.20 Licensed Vocational Nursing

Occupations shown in the above program report include:

29-2061 Licensed practical and vocational nurses

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	189	1,526
B) number of jobs within the above occupations(s) for 2010	210	1,630
C) number and percent change (2005 to 2010)	21 (11%)	104 (7%)
D) the average hourly earnings for the above occupation(s)	\$22.54	\$21.70
E) number of completions (awards) from our college 2009	13	13
F) number of completions (awards) from regional colleges 2009	0	129
G) average number of completions over last five years at Cerro Coso	8	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	210	1,630
B) number of jobs within the above occupations(s) for 2015	229	1,792
C) number and percent change (2010 to 2015)	19 (9%)	162 (10%)
D) the average hourly earnings for the above occupation(s)	\$22.54	\$21.70
E) number of annual openings	10	83

Does the above program meet a documented labor market demand? Please explain.

The nursing shortage is a nationwide problem. It is projected that by 2025 there will be a deficient of 260,000 nurses in the United States. Although the majority of these positions are for Registered Nurses the need for LVN's across the country continues to exist. The current LVN program also feeds directly into the LVN-RN bridge program with Bakersfield College. Currently all graduates of the LVN program in Ridgecrest and the Mammoth/Bishop area that have graduated and passed Boards that wanted jobs have found jobs in the local areas.



CTE 2 YEAR PROGRAM REVIEW: Vocational Nursing

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

29-2061 Licensed practical and vocational nurses

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. San Joaquin Valley College, LV Nursing, sites in Bakersfield and Visalia (between 120-190 miles from CC), private two year, with ~1,400 students in fall 2008, produced 50 graduates in 2009.
2. Porterville College, LV Nursing, <165 miles from CC, public community college with ~4,400 students in fall 2009, produced 37 graduates in 2009.
3. Bakersfield College, LV Nursing, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 23 graduates in 2009.
4. Santa Barbara Business College, LV Nursing, <120 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 19 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

There are no other programs in the area that offer similar courses and we are not in direct competition with any other facility. The closest nursing program to the Ridgecrest campus is 120 miles and from the Mammoth/Bishop campuses it is approximately 300 miles. All three areas have major hospitals and rely heavily on the nurses from the program to staff.



CTE 2 YEAR PROGRAM REVIEW: Paralegal

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

1402.00 Paralegal

Occupations shown in the above program report include:

- 23-2011 Paralegals and legal assistants
- 23-2093 Title examiners
- 23-2099 Legal support workers

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	56	480
B) number of jobs within the above occupations(s) for 2010	56	462
C) number and percent change (2005 to 2010)	1 (2%)	-19 (-4%)
D) the average hourly earnings for the above occupation(s)	\$21.32	\$21.61
E) number of completions (awards) from our college 2009	5	5
F) number of completions (awards) from regional colleges 2009	--	47
G) average number of completions over last five years at Cerro Coso	2	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	56	462
B) number of jobs within the above occupations(s) for 2015	62	513
C) number and percent change (2010 to 2015)	6 (11%)	51 (11%)
D) the average hourly earnings for the above occupation(s)	\$21.32	\$21.61
E) number of annual openings	2	16

Does the above program meet a documented labor market demand? Please explain.

Paralegal Studies, now in the fifth year of existence is expanding to meet the documented labor market demand for degree and certificate completers. In the Cerro Coso service area there are many known jobs that are not documented because employer's corporate offices are out of state. For example, paralegal positions required by aerospace contractors and the naval air warfare center at China Lake are not captured in reporting systems because the corporate offices are located outside our service area. We are expecting to increase completers to fill these needs as the program is gaining momentum in both certificate and Paralegal Studies Associate of Science Degree completers.



CTE 2 YEAR PROGRAM REVIEW: Paralegal

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

23-2011 Paralegals and legal assistants

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. College of the Sequoias, Paralegal, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 22 graduates in 2009.
2. Santa Barbara Business College, Paralegal, <120 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 15 graduates in 2009.
3. Kaplan College, Paralegal, <115 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 10 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No. The program does not represent unnecessary duplication of training programs and other regional colleges offering a similar program are too far away to impact employer's needs in our service area.



CTE 2 YEAR PROGRAM REVIEW: Web Design

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

0614.00 Digital Media Arts

Occupations shown in the above program report include:

- 43-9031 Desktop publishers
- 27-4011 Audio and video equipment technicians
- 51-5022 Prepress technicians
- 27-4012 Broadcast technicians

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	38	330
B) number of jobs within the above occupations(s) for 2010	34	308
C) number and percent change (2005 to 2010)	-4 (-11%)	-21 (-6%)
D) the average hourly earnings for the above occupation(s)	\$12.34	\$12.96
E) number of completions (awards) from our college 2009	15	15
F) number of completions (awards) from regional colleges 2009	0	1
G) average number of completions over last five years at Cerro Coso	9	

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	34	308
B) number of jobs within the above occupations(s) for 2015	36	319
C) number and percent change (2010 to 2015)	2 (6%)	10 (3%)
D) the average hourly earnings for the above occupation(s)	\$12.34	\$12.96
E) number of annual openings	2	12

Does the above program meet a documented labor market demand? Please explain.

The Web Design program meets local and regional labor market demands by equipping graduates for employment and self-employment in the field of web design/development. Employers in our labor market that hire web design graduates are primarily those in the defense industry, including the Naval Air Warfare Center (NAWC) and supporting contractors. NAWC and most of the contractors have corporate offices outside of our region, however, and the data above only captures employers with corporate offices in our region. Additionally, approximately half of our graduates become gainfully self-



CTE 2 YEAR PROGRAM REVIEW: Web Design

employed and this is not reflected in the data. Finally, of those who are not self-employed, approximately half of those who graduate continue their education in the pursuit of a Bachelors Degree or higher.

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

- 15-1099 Web developers and administrators
- 27-1014 Multi-media artists and animators
- 43-9031 Desktop publishers

Four County Region July 2010

List all related programs of study by other educational institutions in our region:

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Cerro Coso Community College, Web Design/Animation/Computer Science, produced 15 graduates in 2009.
2. Kaplan College, Computer Information Sciences, <115 miles from CC, private two year, with ~700 students in fall 2008 (based on IPEDS), produced 36 graduates in 2009.
3. Bakersfield College, Web design/Graphics/Computer Sciences, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 20 graduates in 2009.
4. CSU Bakersfield, Computer Information Sciences, <120 miles from CC, public four year university, with <7,800 students in fall 2009, produced 17 graduates in 2009.
5. San Joaquin Valley College, Computer Information Sciences, sites in Bakersfield and Visalia (between 120-190 miles from CC), private two year, with ~1,400 students in fall 2008 (based on IPEDS), produced 12 graduates in 2009.
6. College of the Sequoias, Graphic design/Computer Information Sciences, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 3 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

Cerro Coso's Web Design program does not represent unnecessary duplication of training in our area. The regional colleges listed above are a significant distance from Cerro Coso. Additionally, the Web Design program at Cerro Coso has been vetted and endorsed by the World Organization of Webmasters as an academic program that aligns well with industry standards, collaboratively defined by industry professionals—those who would hire graduates of such programs. We are among only 8 programs



CTE 2 YEAR PROGRAM REVIEW: Web Design

nationwide that have been honored with this distinction:

<http://webprofessionals.org/education/academy/directory/>. Consequently, this program is differentiated from the programs listed above by its quality and strict adherence to industry standards.



CTE 2 YEAR PROGRAM REVIEW: Welding Technology

Using EMSI / Educational Analyst / Programs / Program Report

What TOP code(s) are you using for this report?

0956.00 Manufacturing and Industrial Technology and 0956.50 Welding Technology

Occupations shown in the above program report include:

- 51-4121 Welders, cutters, solderers and brazers
- 51-4122 Welding operators and tenders
- 17-3026 Industrial engineering technicians

Run a historical Program Report for 2005 to 2010 to show the following data:

	CC Labor Market	Four County Region
A) number of jobs within the above occupation(s) for 2005	102	1648
B) number of jobs within the above occupations(s) for 2010	100	1614
C) number and percent change (2005 to 2010)	-2 (-2%)	-34 (-2%)
D) the average hourly earnings for the above occupation(s)	\$24.50	\$23.70
E) number of completions (awards) from our college 2009	2	--
F) number of completions (awards) from regional colleges 2009	--	16
G) average number of completions over last five years at Cerro Coso	1	--

Then run a projection Program Report for 2010 to 2015 to show the following data:

A) number of jobs within the above occupation(s) for 2010	100	1614
B) number of jobs within the above occupations(s) for 2015	109	1649
C) number and percent change (2010 to 2015)	9 (9%)	35 (2%)
D) the average hourly earnings for the above occupation(s)	\$24.50	\$23.70
E) number of annual openings	5	58

Does the above program meet a documented labor market demand? Please explain.

The Welding Technology Associate of Science program is expanding to meet the documented labor market demand for degree and certificate completers. The program has just entered the fourth year of reorganization including curriculum updates and ongoing attention to lab and equipment upgrades. The number of declared majors in this field is growing 2007 (5) to 2009 (46). The cycle of course offerings is about to show a major increase in graduates to meet the known demand for welders in our area. In the Cerro Coso service area there are many known jobs that are not documented because employer's corporate offices are out of state. For example, new welding positions and training of existing employees required by the naval air warfare center, NAWS (China Lake), Searles Minerals (Trona), plus



CTE 2 YEAR PROGRAM REVIEW: Welding Technology

existing and renewable energy industries such as Terragen (Coso Operating Company-Geothermal) as well as their wind and solar assets, are not captured in reporting systems because the corporate offices are located outside our service area. Further, companies such as Searles minerals send their existing employees (at least ten at this time) for training to enable employees to advance to millwright status.

Using EMSI / Career Pathways / Occupation Analysis / Occupational Programs Report

Occupations shown in the above occupational programs report include:

- 51-4121 Welders, cutters and welder fitters
- 51-4122 Welding, soldering and brazing operators...

List all related programs of study by other educational institution

Four County Region July 2010

Provide the name of institution, name of program, distance to college, public/private, approx enrollment, number of completers in the last year.

1. Cerro Coso Community College, Welding Technology, produced 2 graduates in 2009.
2. Bakersfield College, Welding Technology, <120miles from CC, public community college, with ~18,000 students in fall 2009, produced 11 graduates in 2009.
3. College of the Sequoias, Welding Technology, <186 miles from CC, public community college, with ~13,600 students in fall 2009, produced 3 graduates in 2009.

Does the above program represent unnecessary duplication of training programs in our area? Please explain.

No. The program does not represent unnecessary duplication of training programs and other regional colleges offering a similar program are too far away to impact employer's needs in our service area.