

Los Medanos College
Program Review Data for
Emergency Medical Technology
(On-site)

Prepared by the Office of Institutional Research

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Background

This report provides the department with three-year trends on indicators on the following areas:

- Enrollment
- Productivity
- Student Success

For Vocational Education programs, data on VTEA core indicators are provided.

I. Enrollment: This section provides a three-year trend on student enrollment by headcount as of first census. Because our demographic make up is rapidly changing, figures by ethnicity are also provided.

II. Productivity: In this section, three-year trends are provided for: FTEF/FTES, FTES, Part-time FTEF, full-time FTEF, and full-time Staff. For most measures, college figures are provided for comparison purposes.

III. Student Success. This section consists of: Retention Rates, Success rates, number of students with declared major who completed 18 units or more, and number of degrees and certificates awarded. In this section, statistics by ethnicity are also provided.

Note: ALL DATA is for the academic year (Fall and Spring only).

Definitions for each measure are provided in the footnotes.

Data Sources: The two main sources of information are: 1. DataTel and the Research Data Warehouse. Productivity figures were provided by the Business Office.

STATISTICS

HEADCOUNT ENROLLMENT (Unduplicated at Census): Headcount enrollment in Emergency Medical Technology (On-Site) decreased from 311 in 2002-2003 to 238 in 2004-2005, a decrease of 73 in the last three years.

When examined by ethnicity, it is observed that Whites increased by 4%. African-Americans, Hispanics and Pacific Islanders decreased by 1% and Filipinos by 2%.

African-Americans and Hispanics have been under represented and Whites over represented for the last three years.

Headcount Enrollment: Emergency Medical Technology (On-site)

	2002-2003		2003-2004		2004-2005		3-Year Change	
	Program	College	Program	College	Program	College	Program	College
	N=311	N=12946	N=237	N=11527	N=238	N=12808	-73	-138
							-23%	-1%
Asian	3%	5%	3%	6%	3%	6%	0%	1%
African American (non-Hispanic)	6%	13%	7%	13%	5%	14%	-1%	1%
Filipino	4%	6%	4%	6%	2%	6%	-2%	0%
Hispanic	17%	21%	21%	23%	16%	24%	-1%	3%
American Indian/Alaskan Native	0%	1%	0%	1%	2%	1%	2%	0%
Other Non-White	4%	3%	3%	3%	1%	2%	-3%	-1%
Pacific Islander	1%	1%	1%	1%	0%	1%	-1%	0%
White non-Hispanic	61%	44%	54%	43%	65%	43%	4%	-1%
Unknown	6%	7%	6%	5%	5%	3%	-1%	-4%
All Students	100%	100%	100%	100%	100%	100%	-	-

NOTE: Percentages may not add up to 100% due to rounding.

SEATCOUNT ENROLLMENT (Duplicated at Census): Seatcount enrollment in Emergency Medical Technology (On-Site) decreased from 352 in 2002-2003 to 274 in 2004-2005, a decrease of 78 seats for the last three years. When examined by ethnicity, seatcount enrollment increased for Hispanics by 1% and for Whites by 5%. Seatcount decreased for African-Americans, Filipinos and Pacific Islanders by 1%.

Seatcount Enrollment: Emergency Medical Technology (On-site)

	2002-2003		2003-2004		2004-2005		3-Year Change	
	Program	College	Program	College	Program	College	Program	College
	N=352	N=43127	N=267	N=40792	N=274	N=42549	-78	-578
							-22%	-1%
Asian	3%	5%	4%	6%	3%	6%	0%	1%
African American (non-Hispanic)	6%	14%	7%	14%	5%	15%	-1%	1%
Filipino	3%	6%	4%	6%	2%	6%	-1%	0%
Hispanic	16%	20%	23%	22%	17%	24%	1%	4%
American Indian/Alaskan Native	0%	1%	0%	1%	2%	1%	2%	0%
Other Non-White	3%	3%	3%	3%	2%	3%	-1%	0%
Pacific Islander	1%	1%	2%	1%	0%	1%	-1%	0%
White non-Hispanic	61%	43%	52%	43%	66%	43%	5%	0%
Unknown	7%	7%	6%	5%	4%	2%	-3%	-5%
All Students	100%	100%	100%	100%	100%	100%	-	-

NOTE: Percentages may not add up to 100% due to rounding.

PRODUCTIVITY: Productivity (FTES/FTEF) for LMC's Emergency Fire Technology (On-Site) program has remained about the same at 28.2 (2002-2003) and 28.1 (2004-2005) in two years. In 2003-2004 it decreased to 15.1.

Total FTEF for the program decreased from 1.92 in 2002-2003 to 1.01 in 2004-2005, a decrease of .91. Classified FTEF has remained at about .30 for the last three years.

Emergency Medical Technology FTES/FTEF (On-site)

	2002-2003	2003-2004	2004-2005	Change
LMC Program	28.2	15.1	28.1	-.1
CCC*				
DVC*				
State Average				

Productivity (FTES/FTEF) is defined as the average number of FTES earned per full-time equivalent instructor. FTES is defined as 525 student contact hours, based on a 15 hour weekly course load for 2 semester at 17.5 weeks per semester (15x2x17.5=525).

*Data obtained from COGNOS.

Emergency Medical Technology FTEF (On-site)

	2002-2003	2003-2004	2004-2005	Change
Total FTEF	1.92	2.02	1.01	-.91
Classified FTEF	.30	.30	.30	

RETENTION RATES: Retention rate for students in the Emergency Medical Technology program (On-Site) has increased from 74% in 2002-2003 to 82% in 2004-2005, an increase of 8% in the last three years. Compared to the college average, the retention rate for the program has improved. In 2002-2003 it was 8% below the college average. In 2003-2004, it was 5% above the college average and in 2004-2005 it was the same as the college average (82%).

When examined by ethnicity, retention rates for Asians increased by 40%, for Filipinos by 20% and for Whites by 5%. Retention rates decreased for African-Americans by 4% and for Pacific Islanders by 50%.

Retention Rates: Emergency Medical Technology (On-site)

	2002-2003		2003-2004		2004-2005		3-Year Change	
	Program	College	Program	College	Program	College	Program	College
	464	47,311	276	41,959	290	42,937	-174	-4,374
Asian	60%	84%	80%	84%	100%	87%	40%	3%
African American (non-Hispanic)	62%	73%	84%	73%	58%	72%	-4%	-1%
Filipino	60%	84%	80%	84%	80%	82%	20%	-2%
Hispanic	68%	82%	77%	81%	75%	82%	7%	0%
American Indian/Alaskan Native	0%	80%	100%	84%	83%	81%	83%	1%
Other Non-White	69%	81%	100%	80%	100%	79%	31%	-2%
Pacific Islander	50%	81%	100%	82%	0%	80%	-50%	-1%
White Non-Hispanic	79%	84%	90%	85%	84%	84%	5%	0%
Unknown	79%	84%	93%	81%	77%	83%	-2%	-1%
All LMC Students	74%	82%	87%	82%	82%	82%	8%	0%
State Average		83%		83%		83%		0%

DEFINITION: Student is retained in the course to end of term. A, B, C, D, F, CR, NC, I grade notations.

MEASUREMENT: Percent of students retained in courses out of total enrolled in courses. The retention rate is calculated by dividing the numerator (number of students with A, B, C, D, F, CR, NC, I) by the denominator (number of students with A, B, C, D, F, CR, NC, W, I).

SUCCESS RATES: Success rate for students in the Emergency Medical Technology (On-Site) program increased from 47% in 2002-2003 to 55% in 2004-2005, an increase of 8% in the last three years. The program's success rate has been lower than the college average. In 2004-2005, it was lower by 8%.

When examining success rates by ethnicity for the last three years, it is observed that the success rate for Asians increased by 16%, for Filipinos by 13% and for Whites by 9%. The success rates for African-Americans and Hispanics decreased by 2% and for Pacific Islanders by 50%.

Success rates for African-Americans have been significantly lower in the last three years than the rates of other students.

Success Rates: Emergency Medical Technology (On-site)

	2002-2003		2003-2004		2004-2005		3-Year Change	
	Program	College	Program	College	Program	College	Program	College
	464	47,311	276	41,959	290	42,937	-174	-4,374
Asian	40%	71%	70%	72%	56%	74%	16%	3%
African American (non-Hispanic)	27%	51%	37%	51%	25%	50%	-2%	-1%
Filipino	47%	70%	50%	71%	60%	70%	13%	0%
Hispanic	41%	65%	50%	66%	39%	66%	-2%	1%
American Indian/Alaskan Native	0%	69%	100%	70%	67%	64%	67%	-5%
Other Non-White	38%	61%	75%	65%	100%	65%	62%	4%
Pacific Islander	50%	63%	50%	61%	0%	61%	-50%	-2%
White Non-Hispanic	49%	72%	63%	74%	58%	72%	9%	0%
Unknown	59%	69%	67%	66%	69%	67%	10%	-2%
All Students	47%	67%	58%	68%	55%	67%	8%	0%
State Average		67%		67%		67%		0%

DEFINITION: Student succeeds in the course to end of term. A, B, C, CR grade notations.

MEASUREMENT: Percent of students successful in courses out of total enrolled in courses. The success rate is calculated by dividing the numerator (number of students with A, B, C, CR) by the denominator (number of students with A, B, C, D, F, CR, NC, W, I).

NUMBER OF STUDENTS WITH DELCARED MAJOR WHO COMPLETED 18 UNTS OR MORE:
 The number of students with Emergency Medical Technology as their major and with 18 units or more has increased from 18 in 2002-2003 to 56 in 2004-2005, an increase of 38 students in the last three years.

**Number of Students with Declared Major who Completed 18 Units or More:
 Emergency Medical Technology**

	2002-2003	2003-2004	2004-2005	3-Year Change
	N=18	N=12	N=56	+38
Asian	6%	17%	6%	0%
African American (non-Hispanic)	0%	0%	6%	6%
Filipino	0%	0%	0%	0%
Hispanic	11%	8%	7%	-4%
American Indian/Alaskan Native	11%	0%	0%	-11%
Other Non-White	17%	0%	2%	-15%
Pacific Islander	0%	0%	2%	2%
White Non-Hispanic	50%	67%	76%	26%
Unknown	6%	8%	2%	-4%
All Students	100%	100%	100%	-

NOTE: Percentages may not add up to 100% due to rounding.

NUMBER OF DEGREES AND CERTIFICATES: One hundred and sixteen certificates were provided in 2002-3003.

Number of Degrees and Certificates: Emergency Medical Technology

	2002-2003	2003-2004	2004-2005	Percent Change
Degrees	n/a	n/a	n/a	n/a
Certificates	116	1	0	-116

VTEA Core Indicators for: Emergency Medical Technology

CORE INDICATORS	2003-2004		2004-2005		2005-2006	
	College	Percentage above or below State Level	College	Percentage above or below State Level	College	Percentage above or below State Level
Core 1. Achievement	80.88	2.12	62.35	-17.41	72.97	-6.79
Core 2. Completions	00.0	N/A	33.33	N/A	3.70	-57.12
Core 3a. Employment	100.00	N/A	100.00	N/A	81.48	-1.71
Core 3b. Employment Retention	100.00	N/A	33.33	N/A	90.91	8.06
Core 4a Nontraditional Participation	N/R	N/R	N/R	N/R	N/R	N/R
Core 4b. Nontraditional completion	N/R	N/R	N/R	N/R	N/R	N/R

Data obtained from Chancellor Office VTEA reports.

DEFINITIONS

Indicator One: Skill Attainment – GPA of at least 2.0 on Forms and Grade C & Above on all other reports. Indicator *One* uses enrollments in Apprenticeship, Advanced Occupational or Clearly Occupational courses (coded with SAM Priority codes A-C). Students may be enrolled in more than one program area and may be included in more than one population grouping.

Indicator Two: Completions – Certificates, Degrees and Transfers

Indicator *Two* measures completions for vocational student "Leavers and Completers." Receipt of a certificate or degree or enrollment in a California four year public University with or without a degree is considered a completion. Military enrollment was not available for this cohort and was removed from all cohorts on three year presentations for the 2003-04 reports.

Indicator Three: Placement and Retention

Indicator *Three* measures *Placement* as UI covered employment or continuation at CSU/UC and *Retention* as three consecutive quarters in UI covered employment for vocational student "Leavers and Completers" in their first year after college. Students found continuing at UC or CSU are considered placed but are removed prior to calculations for retention. Retention is based solely on UI Employed Leavers and Completers.

Military enrollment and federal government employment, although available in previous years, were not available for this cohort. Placement status using military and federal employment was removed from all cohorts on three year presentations for the 2005-06 reports.

Indicator Four: Equity - Training Leading to Nontraditional Employment

Indicator *Four*, Participation, measures the participation of students in 2002-03 vocational courses (SAM code A –D) leading to employment where either gender is less than 25% of those employed using 1990 Census data.

Indicator *Four*, Completion, measures Completion of vocational student "Leavers and Completers" in training leading to employment where either gender is less than 25% of those employed using 1990 Census data.