

Los Medanos College
Program Review Data for
Emergency Medical Technology
(Partnership)

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 (Partnership) increased from 52 in 2003-2004 to 62 in 2004-2005, an increase of 10 in the last two years. No data was found for 2002-2003.

When examined by ethnicity for 2003-2004 and 2004-2005, it is observed that Asians increased by 5%, Pacific Islanders by 2% and Whites by 10%. African-Americans decreased by 1% and Hispanics by 9%.

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

Headcount Enrollment: Emergency Medical Technology (Partnership)

	2002-2003		2003-2004		2004-2005		2-Year Change	
	Program	College	Program	College	Program	College	Program	College
	N=0	N=12946	N=52	N=11527	N=62	N=12808	+10	-138
							-	-1%
Asian	0%	5%	0%	6%	5%	6%	5%	1%
African American (non-Hispanic)	0%	13%	6%	13%	5%	14%	-1%	1%
Filipino	0%	6%	2%	6%	2%	6%	0%	0%
Hispanic	0%	21%	17%	23%	8%	24%	-9%	3%
American Indian/Alaskan Native	0%	1%	4%	1%	0%	1%	-4%	0%
Other Non-White	0%	3%	6%	3%	5%	2%	-1%	-1%
Pacific Islander	0%	1%	0%	1%	2%	1%	2%	0%
White non-Hispanic	0%	44%	64%	43%	74%	43%	10%	-1%
Unknown	0%	7%	2%	5%	0%	3%	-2%	-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 (Partnership) increased from 82 in 2003-2004 to 160 in 2004-2005, an increase of 78 seats for the last two years. When examined by ethnicity, seatcount enrollment increased for Asians by 5%, for Pacific Islanders by 2% and for Whites by 7%. Seatcount decreased for Hispanics by 7%.

Seatcount Enrollment: Emergency Medical Technology (Partnership)

	2002-2003		2003-2004		2004-2005		2-Year Change	
	Program	College	Program	College	Program	College	Program	College
	N=0	N=43127	N=82	N=40792	N=160	N=42549	+78	-578
							-	-1%
Asian	0%	5%	0%	6%	5%	6%	5%	1%
African American (non-Hispanic)	0%	14%	6%	14%	6%	15%	0%	1%
Filipino	0%	6%	1%	6%	1%	6%	0%	0%
Hispanic	0%	20%	15%	22%	8%	24%	-7%	4%
American Indian/Alaskan Native	0%	1%	5%	1%	0%	1%	-5%	0%
Other Non-White	0%	3%	6%	3%	5%	3%	-1%	0%
Pacific Islander	0%	1%	0%	1%	2%	1%	2%	0%
White non-Hispanic	0%	43%	66%	43%	73%	43%	7%	0%
Unknown	0%	7%	1%	5%	0%	2%	-1%	-5%
All Students	100%	100%	100%	100%	100%	100%	-	-

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

PRODUCTIVITY: There is no productivity with partnership programs.

Total FTEF increased from 1.64 in 2002-2003 to 1.76 in 2004-2005, an increase of .12 in the last three years. Classified has remained at .30 for the last three years.

Emergency Medical Technology FTES/FTEF (Partnership)

	2002-2003	2003-2004	2004-2005	Change
LMC Program	n/a	n/a	n/a	
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 (Partnership)

	2002-2003	2003-2004	2004-2005	Change
Total FTEF	1.64	1.01	1.76	+.12
Classified FTEF	.30	.30	.30	0

RETENTION RATES: Retention rate for students in the Emergency Medical Technology program (Partnership) has stayed at 100% in the last three years. The retention rate for the program has been significantly higher than the college average for the last three years.

All ethnic groups have 100% retention rates.

Retention Rates: Emergency Medical Technology (Partnership)

	2002-2003		2003-2004		2004-2005		3-Year Change	
	Program	College	Program	College	Program	College	Program	College
	175	47,311	82	41,959	160	42,937	-15	-4,374
Asian	100%	84%	-	84%	100%	87%	0%	3%
African American (non-Hispanic)	100%	73%	100%	73%	100%	72%	0%	-1%
Filipino	100%	84%	100%	84%	100%	82%	0%	-2%
Hispanic	100%	82%	100%	81%	100%	82%	0%	0%
American Indian/Alaskan Native	100%	80%	100%	84%	-	81%	-	1%
Other Non-White	100%	81%	100%	80%	100%	79%	0%	-2%
Pacific Islander	100%	81%	-	82%	100%	80%	0%	-1%
White Non-Hispanic	100%	84%	100%	85%	100%	84%	0%	0%
Unknown	-	84%	100%	81%	-	83%	-	-1%
All LMC Students	100%	82%	100%	82%	100%	82%	0%	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 (Partnership) program increased from 86% in 2002-2003 to 89% in 2004-2005, an increase of 3% in the last three years.

When examining success rates by ethnicity for the last three years, it is observed that the success rate for Asians and Whites increased by 8% and for Hispanics by 6%. The success rates for African-Americans decreased by 26% and Pacific Islanders by 67%. Success rates for African-Americans have been lower in the last three years than the rates of other students.

Success Rates: Emergency Medical Technology (Partnership)

	2002-2003		2003-2004		2004-2005		3-Year Change	
	Program	College	Program	College	Program	College	Program	College
	N=175	47,311	82	41,959	160	42,937	-15	-4,374
Asian	67%	71%	-	72%	75%	74%	8%	3%
African American (non-Hispanic)	82%	51%	40%	51%	56%	50%	-26%	-1%
Filipino	100%	70%	100%	71%	100%	70%	0%	0%
Hispanic	94%	65%	75%	66%	100%	66%	6%	1%
American Indian/Alaskan Native	100%	69%	50%	70%	-	64%	-	-5%
Other Non-White	100%	61%	100%	65%	100%	65%	0%	4%
Pacific Islander	100%	63%	-	61%	33%	61%	-67%	-2%
White Non-Hispanic	83%	72%	85%	74%	91%	72%	8%	0%
Unknown	-	69%	100%	66%	-	67%	-	-2%
All Students	86%	67%	81%	68%	89%	67%	3%	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 2002-2003.

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.