

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program
APPROPRIATENESS TO MISSION**

Statement of Program Goals and Objectives

The Paramedic Program supports the Bakersfield College core mission of Career and Technical Education by providing comprehensive training that will produce competent entry level paramedics. The Bakersfield College Paramedic Program is a comprehensive lecture, lab, and field internship training program to produce competent, entry level paramedics to serve in career positions in Kern County and throughout the United States. The goal of the curriculum is to provide a learning model that fosters the development of critical thinking and problem solving skills to ensure that the graduate paramedic is equipped to deliver quality care to the culturally diverse populations of California in a variety of healthcare settings. Bakersfield College currently offers an entry level EMT-1 program and this is the logical progression for those students pursuing career advancement as a Paramedic.

The Paramedic Program received its initial accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) on March 17, 2006. The program has received continuing accreditation by CAAHEP and is approved by Kern County Emergency Medical Services as meeting the EMS Education Standards as specified in Title 22 of the California Code of Regulations and the National Highway transportation and Safety Administration(NHTSA) Paramedic Curriculum.

Upon completion of the program, graduates will earn a Certificate of Achievement and are eligible to take the National Registry Emergency Medical Technician -Paramedic examination (NREMT-P) which is required for paramedic licensure in the state of California. This program also meets the major requirements for an Associate Degree in Science, Emergency Medical Technician-Paramedic when required general education courses are completed. Paramedics are typically employed by ambulance companies, private industry, and fire departments to provide emergency care in case of illness or injury. Program Learning Outcomes:

1. Upon completion of the program, the EMT-Paramedic student will demonstrate the ability to comprehend, apply, and evaluate the clinical information relative to the role of an entry level paramedic.

Assessment: Written exams, verbal reports

2. Upon completion of the program, the EMT-Paramedic student will demonstrate technical proficiency in all skills necessary to fulfill the role of the entry level paramedic.

Assessment: Skill competency demonstrations, successful completion of field internship

3. Upon completion of the program, the EMT-Paramedic student will demonstrate personal behaviors consistent with professional and employer expectations for the entry level paramedic.

Assessment: Affective assessment tool, successful completion of field internship

Relevant Entry Criteria

All of the following requirements are required by statute in Title 22, Division 9, Chapter 4, Section 100157. Student must possess the following:

- a high school diploma or general education equivalent, and
- a current Emergency Medical Technician I Certificate or National Registry of Emergency Medical Technicians - Basic registration or current Emergency Medical Technician II certificate in the State of California or be currently registered as an Emergency Medical Technician-intermediate with the National Registry of Emergency Medical Technicians and

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

- a current American Heart Association Healthcare Provider basic life support card. Upon verification of the above requirements, students are eligible to register for Paramedic courses.

Mandatory fees

In addition to course enrollment fees, the following items are required and are performed at the student's expense.

A physical examination completed by a physician of the student's, appropriate immunizations and/or vaccinations, mask fit testing, uniforms, background screening, and drug test.

An estimated cost for the additional requirements is \$2000 over the course of the program.

Catalog Description

The mission of the Paramedic Program is to provide a strong educational foundation so the future paramedics may improve the health and welfare of Kern County by providing the highest quality prehospital emergency medical care.

The Paramedic Program is designed to provide students with the education and experience to perform as competent, entry level Paramedics. The Paramedic Program received its initial accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) on March 17, 2006. The program has received continuing accreditation by CAAHEP and is approved by Kern County Emergency Medical Services as meeting the EMS Education Standards as specified in Title 22 of the California Code of Regulations and the National Highway transportation and Safety Administration(NHTSA) Paramedic Curriculum.

The program consists of a minimum of 1090 hours of instruction which is divided into three distinct sessions: didactic/classroom instruction (minimum of 450 hours) clinical lab (minimum of 160 hours) and field internship (minimum of 480 hours). Upon completion of the program, graduates will earn a Certificate of Achievement and are eligible to take the National Registry Emergency Medical Technician -Paramedic examination (NREMT-P) which is required for paramedic licensure in the state of California. Paramedics are typically employed by ambulance companies, private industry, and fire departments to provide emergency care in case of illness or injury.

Limitation on Enrollment

As a condition of enrollment in any Allied Health Program, students are required to submit to and pass a designated drug and alcohol screening, a background screening, and physical examination clearance (at the student's expense). Please note the following:

- A history of felony conviction(s) or any bar, exclusion or other ineligibility for federal program participation could render a student ineligible for clinical placement, as determined by the clinical agencies.
- If a student cannot obtain background clearance from the clinical agencies and field internship agencies, it will not be possible to place the student in the clinical/internship areas, which is a required component of the program. In the event that a student cannot obtain a background clearance, the space will be forfeited. Students who are found to be ineligible for clinical placement by the clinical agency and/or field internship after admission to the program shall be subject to dismissal from the program, as they will be unable to complete mandatory clinical/field internship rotations.
- A physical examination completed by a physician of the student's choice is required after acceptance to the Program to demonstrate that a student meets the technical standards necessary to meet the

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

Program objectives. Appropriate immunizations and/or vaccinations and mask fit testing are also required and are performed at the student's expense.

More information can be found on the Allied Health web site at www2.bakersfieldcollege.edu/alliedhealth/ or in the Bakersfield College Allied Health Office. MS 178.

Program Requirements

Student must possess the following:

- a high school diploma or general education equivalent, and
- a current Emergency Medical Technician I Certificate or National Registry of Emergency Medical Technicians - Basic registration or current Emergency Medical Technician II certificate in the State of California or be currently registered as an Emergency Medical Technician-intermediate with the National Registry of Emergency Medical Technicians and
- a current American Heart Association Healthcare Provider basic life support card

All of the above requirements are required by statute in Title 22, Division 9, Chapter 4, Section 100157.

Background and Rationale

This program is currently provided in the form of contract education. In response to regulation changes, the program will be required to offer college credit for the program courses. Currently, the program is very successful with a pass rate of 96% on the National exam. The change to a credit granting program will benefit both Bakersfield College by generating FTES and the students by providing college credit leading to a certificate of achievement and/or associate degree. The program also supports the core mission of Career and Technical Education by providing comprehensive training that will produce competent entry level paramedics.

NEED FOR PROGRAM

Enrollment and Completer Projections

Since Emergency medical technician programs are listed under the same TOP code as paramedic courses, it is difficult to determine enrollment and completion only for paramedics. In addition, the Bakersfield College program has not been credit granting and the data is not captured by the CCCC inventory. Based on the enrollment completion trends for our program over the last 2 years, we have compiled the following information:

Year	Total number students enrolled in program	Total number of students completing program
2013	31	21
2012	31	22

The program operates on a January-December calendar. Students are considered graduates once their field internship hours are completed.

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

Place of Program in Curriculum/Similar Programs

The college will not need to replace or modify any existing program. The related program offered at the college is EMTC-1 course. Upon completion of this course, the student is eligible to take the National Registry of Emergency Medical Technicians exam for EMT licensure. EMT licensure meets the eligibility requirement for the paramedic program.

Similar Programs at Other Colleges in Service Area

The only existing approved program in Kern County is over 70 miles away at a private institution University of Antelope Valley in Rosemond, Ca.

Labor Market Information and Analysis

Labor market data indicates the job outlook will increase 23% during the time frame of 2012-2022.

Workers will earn an average of \$17/hr. as they promote from EMT to Paramedic.

(www.labormarketinfo.edd.ca.gov). The local employers state the trends in turnover and vacancy rates indicate a viable future job market. For 2010-2020, labor market data for Kern County projects at least 23 annual openings. <http://www.labormarketinfo.edd.ca.gov>. Furthermore, the changes in health care brought about by the affordable care act along with the growth of healthcare needs in middle aged and elderly population suggest an anticipated increase in demand for pre-hospital services. The local ambulance company and the advisory board support the move to credit granting paramedic education

It must be noted that labor market data for the TOP code 12500 and SOC code of 29-2041 contains data for EMT and Paramedic. Therefore, it is difficult to tease out the information for paramedics only. The employer survey provided identifies information specific to the Bakersfield/Kern County job market.

Employer Survey, Explanation of Employer Relationship, List of Members of Advisory Committee Recommendation of Advisory Committee

Six local employers/advisory members were surveyed using Survey Monkey. The results indicate overwhelming support for providing a credit granting paramedic program (83% indicating it is a critical need). Other information includes turnover rate of 75%, with a 67% hiring rate. The list of advisory committee members, the advisory committee minutes which recommend moving the program to a credit granting program and the employer survey are below. Key information is highlighted in yellow for easy referencing.

Present: Peter Brandon, Cindy Collier, Chris Niswonger (Ed Hill Rep) Christine Harker, Shalom Sakowski, Myron Smith, Dr. Rick McPheeters, Brandon Tipton (Student)

Note Takers: Myron Smith

Agenda Item	Discussion	Action Item/Decision/Future Discussion
I. Call to Order	The meeting was called to order by Myron Smith	No Action

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

II.	Adoption of Agenda	The agenda was adopted.	No Action
III.	Approval of Minutes	The minutes of the October 24, 2013 meeting were approved.	Approved
IV.	COAEMSP	Myron Smith presented the COAEMSP Self-Study progress and annual report progress. The self-study is nearly complete. Program needed to complete this Advisory Board Meeting and complete faculty and advisory meeting evaluations.	Report out when both complete
V.	Clinical Internship Sites	Myron Smith reported that Bakersfield Heart Hospital has been added as a clinical site. Students will complete one shift beginning in the ER. Bakersfield Heart is primarily at Cardiac Facility and it is the programs hope to enhance the cardiac exposure to the students.	No action
VI.	Class 21 Update	All students are near completion of internship with the exception of a couple that have asked for an extension in starting their internship due to having accepted new jobs and needing to complete their new hire orientation and probation.	No Action
VII.	Class 22 Update	Christine Harker reported Class 22 is doing extremely well. Final exams are scheduled Mid-December just before the Holidays. Clinical rotations will begin in January.	No Action
VIII.	College Update/Credit Granting	Cindy Collier reported the faculty has completed the sequencing of the paramedic program for credit granting, Program will move from two cohorts per year to one cohort per year that enrolls during the Fall Semester. The process is	No Action.

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

	<p>nearing completion and we hope to enroll the first credit granting program during the Fall of 2015 semester. Look for an employer survey on this topic.</p> <p>Peter Brandon from Liberty Ambulance felt this would be a big step forward for the program and for the paramedic students. All others agree.</p>	
IX. Adjournment	The meeting was adjourned by Mr. Smith at 4:00 PM.	

EMT Program/Paramedic Program Advisory Board Members

Last Name	First Name	Title	Company Name	Address	Phone Number
Brandon	Peter	CEO	Liberty Ambulance Service	1325 W. Ridgecrest Boulevard Ridgecrest, CA 93555	(760) 382-4533
Brown	Charles	Skills Coordinator/Clinical Coordinator	Paramedic Program	9900 Lightner Way Bakersfield, CA 93311	(310) 592-2262
Burton	Brent	Principal Instructor	EMT Program	14610 Redwood Pass Drive Bakersfield, CA 93314	(661) 599-5644
Collier	Cindy	Dean	EMT Program/Paramedic Program	1801 Panorama Drive Bakersfield, CA 93301	(661) 395-4282
Hill	Ed	Director	County of Kern Department of EMS	1400 H Street Bakersfield, CA 93301	(661) 868-5200
Doss	Justin	Director, Education & Training	San Joaquin Community Hospital		P.O. Box 2615 Bakersfield, CA 93301
Harker	Christine	Principal Instructor	Paramedic Program	3916 Margalo Avenue Bakersfield, CA 93313	(661) 203-3323
Lawrence	Guy	Captain	Kern County Fire	11717 Copernicus Avenue Bakersfield, CA 93311	
Leone	Chris	Clinical Supervisor	Hall Critical Care Transport	1001 21st Street Bakersfield, CA 93301	(661) 392-8536
McPheeters, DO	Dr. Rick	Medical Director	Kern Medical Center	1700 Mount Vernon Avenue Bakersfield, CA 93306	(661) 549-8565 (661) 2162
O'Hearn	James	Community Representative	EMT Program/Paramedic Program	1830 Truxtun Avenue, Suite 216 Bakersfield, CA 93301	(661) 431-5999
Ostrom, DO	Dr. Ron	Medical Director	Hall Ambulance Service	1001 21st Street Bakersfield, CA 93301	(661) 322-8741
Sakowski, BSN, RN	Shalom	Staff Development Coordinator	Kern Medical Center	1700 Mount Vernon Avenue Bakersfield, CA 93306	(661) 326-5451
Smith	Myron	Director	Paramedic Program	7601 Golden Rise Court Bakersfield, CA 93313	(661) 428-0014
Velasquez	Joe	Nurse Anesthetist	Kern Medical Center	1907 Deerfield Street Bakersfield, CA 93314	(661) 703-0713

Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program

Employer Survey

Bakersfield College Paramedic Program Credit Granting Survey

Q1 Does your organization support the Bakersfield College Paramedic Program's move to a credit/degree granting program?

Answer Choices Responses

Yes	100.00%
	6
No	0.00%
	0
Total	6

Q2 How many paramedics do you currently employ?

Answer Choices Responses

None	33.33%
	2
1-20	50.00%
	3
21-50	0.00%
	0
51-100	0.00%
	0
100+	16.67%
	1
Total	6

Q3 Is your organization actively hiring paramedics?

Answer Choices Responses

Yes	66.67%
	4
No	33.33%
	2
Total	6

Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program

Q4 How would you describe your paramedic turnover rate?

Answer Choices Responses

Low	25.00%	1
Medium	75.00%	3
High	0.00%	0
Total		4

Q5 What level of importance do you place on having a paramedic program in Bakersfield?

	Not Important	Convenient	Somewhat Important	Critical	Total	Weighted Average
(no label)	0.00%	0.00%	16.67%	83.33%	6	3.83
	0	0	1	5		

Q6 If you participate in the training aspect of the program's students; do you feel they add value to your organization?

Answer Choices Responses

No	0.00%	0
Somewhat	20.00%	1
Absolutely	80.00%	4
Total		5

Q7 Do you currently employ BC graduates? If so, how would you rate the quality of our graduates?

Answer Choices Responses

Below Average	0.00%	0
Average	16.67%	1
Above Average	83.33%	5
Total		6

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

CURRICULUM STANDARDS

Course sequencing

As a high unit core for the degree, a student may take longer than 2 years to complete the program.

To achieve the Certificate of Achievement

Upon successful completion of the core requirements with a 'B' grade or better in each course, the student will be awarded a Paramedic Program Certificate of Achievement.

To achieve the Associate in Science Degree

Upon successful completion of the core requirements with a 'B' grade or better in each course **AND** successful completion of the General Education courses with a 'C' grade or better, the student will be awarded a Paramedic Associate in Science Degree.

Paramedic Program Core courses	
FIRST SEMESTER (13 units)	
EMTC B10 – Paramedic 1	6 units
EMTC B11 – Paramedic Skills Lab 1	1 unit
EMTC B12 - Paramedic 2	6 units
SECOND SEMESTER (13 units)	
EMTC B13 - Paramedic 3	6 units
EMTC B14 - Paramedic Skills Lab 2	1 unit
EMTC B15 - Paramedic 4	6 units
THIRD SEMESTER (13.5 units)	
EMTC B16 – Paramedic Clinical Lab	3.5 units
EMTC B17 – Paramedic Field Internship	10 units
Total	39.5 units
General Education Pattern	
Area A: Communication in the English language and Critical Thinking Area A.1 Comm B1 AND Area A.2 ENGL B1a	6 Units
Area B: Physical Universe and Life forms Area B.1 Biol B18 AND Area B.2 Math BD	6 units
Area C: Arts, Literature, Philosophy and Foreign language Choose any course in this area	3 units
Area D: Social, Political, Legal and Economic Institution and Behavior; Historical Background Area D.1: PSYC B1a Area D.3*: Choose any course in this area that will satisfy the general education category and the multicultural requirement.	6 units

**Request for CTE Program Endorsement
Central/ Mother Lode region
Bakersfield College
Paramedic Program**

Area E**: Lifelong Understanding and Self Development Choose <u>one</u> unit of activity course work from the PHED list in the catalog. **3 units in this area are waived upon completion of an approved Allied Health Program.	1 unit
Total	22 units

ADEQUATE RESOURCES AND COMPLIANCE

Library and Learning Resources Plan

Students will be able to access current library resources which includes exhaustive online data bases. No new resources will be required.

Facilities and Equipment Plan

This program currently has two dedicated classrooms at the Weill Center. Each classroom is equipped with instructional equipment (computer, projector, white board). In addition, the paramedic program utilizes a simulation lab which contains high fidelity adult, child, infant and pregnant female simulation manikins.

Financial Support Plan

Support for this program is available through the current Bakersfield College general fund.

Faculty Qualifications and Availability

California Minimum qualification for this discipline will be required. The current faculty teaching in the program meet minimum qualifications and are available.

Based on model curriculum (if applicable)

At this time there is not a model curriculum. Paramedic courses are being vetted through the C-ID process.

Licensing or Accreditation Standards

The Paramedic Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP). The program is also approved by Kern County Emergency Medical Services as meeting the EMS Education Standards as specified in Title 22 of the California Code of Regulations and the National Highway transportation and Safety Administration(NHTSA) Paramedic Curriculum. The Western Association of Schools and Colleges accredits Bakersfield College.

Moving to a credit granting program does not affect the accreditation of the program; in fact, the regulations are changing to require that paramedic programs fall under the umbrella of an educational institution.

Student Selection and Fees

In addition to course enrollment fees, the following items are required and are performed at the student's expense. A physical examination completed by a physician of the student's, appropriate immunizations and/or vaccinations, mask fit testing, uniforms, background screening, and drug test. An estimated cost for the additional requirements is \$2000 over the course of the program.