



BAKERSFIELD COLLEGE: CAREER TECHNICAL EDUCATION

TWO YEAR PROGRAM REVIEW FORM

PROGRAM INFORMATION

Chair Name	William Barnes	Date	8/31/2018
Department	Agriculture	Discipline	Animal Science
Most Recent Program Plan Completed On		Date	2015
Most Recent Program Review Completed On		Date	9/26/2017
Faculty Name	William Barnes		
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1. MEETS A DOCUMENTED LABOR MARKET DEMAND

Source of information (check all that apply)

<input checked="" type="checkbox"/>	Bureau of Labor Statistics (http://www.bls.gov)	
<input checked="" type="checkbox"/>	State of California Labor Market Information (http://www.calmis.ca.gov)	
<input type="checkbox"/>	Advisory Committee Meeting held on	Attach Minutes
<input type="checkbox"/>	Professional Association	
<input checked="" type="checkbox"/>	Other	EMSI Modeling Specialists

Findings

- Animal science is a broad field that looks at the propagation, management and care of a variety of animals. Students in animal science programs may focus primarily on livestock care and use, while others look at the physiology of mammals. These programs are found at all levels, from associate to doctoral degrees. Graduates of an animal science program may hold jobs such as farm managers, animal technicians or livestock specialists. Graduates of upper level programs may also work in research, searching more effective ways to produce and process eggs, dairy, beef and poultry. The BLS predicts growth of four percent from 2015-2021.
- Veterinarians: 35 percent growth
- Veterinary technologists and technicians: 41 percent growth
- Veterinary assistants: 26 percent growth

2. DOES NOT REPRESENT UNNECESSARY DUPLICATION OF OTHER MANPOWER TRAINING PROGRAMS IN THE AREA.

List programs from other institutions (private/fee based/public):

Name of Institution	Name of Program	Distance to College	Public/Private	Approx Enrollment
College of Sequoias	AS Animal Science	70 miles	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	
			<input type="checkbox"/> Public <input type="checkbox"/> Private	
			<input type="checkbox"/> Public <input type="checkbox"/> Private	

Findings

The Bakersfield College Animal Science program is the only program in Kern County. The closest similar program is at the College of Sequoias in Visalia and it is approximately 70 miles from Bakersfield.

3. DEMONSTRATED EFFECTIVENESS AS MEASURED BY EMPLOYMENT AND COMPLETION OF STUDENTS

Core Indicator Data Reviewed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date 5/15/2015
Insert Scores Below:		
Success: 87.88%	Completion: 82.35%	Employment: 60%
Non-Traditional: 90.54%	Non-Traditional Completion: 80.77%	

Findings

Only the employment percentage was below the district target level of 77.4% (not a negotiated level). However, this was from a low number of graduates seeking employment (6 out of 9 graduates found employment in the industry over the two year period).

4. REVIEW/APPROVALS

Date	Signature	Title
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- A) number of jobs within the above occupation(s) for 2010
- B) number of jobs within the above occupations(s) for 2015
- C) number and percent change (2010 to 2015)
- D) the average hourly earnings for the above occupation(s)
- E) number of completions (awards) from our college 2010-2015
- F) number of completions (awards) from regional colleges 2010-2015

Then run a projection Program Report for 2015 to 2020 to show the following data:

- A) number of jobs within the above occupation(s) for 2015
- B) number of jobs within the above occupations(s) for 2020
- C) number and percent change (2015 to 2020)
- D) the average hourly earnings for the above occupation(s)
- E) number of annual openings and total replacement jobs

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

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

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

Other regional colleges are College of Sequoias (Visalia)

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

No, College of Sequoias is 70 miles distant. This is much too far of a commute from Bakersfield for regular community college attendance.