Program (Discipline) or Department Name	TOPS (Required for programs)
Animal Science Agriculture Dept.	0102- Animal Science

List the projects included in your 2013-2014 by name and number

Number	Project Name	Total Perkins Funds Requested
1.0	Equipment: bull electro jac	3,000
2.0	Professional Development	1500
3.0	Fetal Pigs for dissection lab	1,000
4.0	Bovine A.I. equipment	2,000
5.0	Class Set of meat grading equipment	1,000
Total Amount of Perkins Funds Requested		

Perkins Discipline/Department Planning/Implementation Team

VTEA Primary Contact Name	Phone	Email Address
William Barnes	661-395-4637	wbarnes@bakersfieldcollege.edu

List other departments/discipline members/key staff who will be involved in the 2017-2018 Perkins plan and implementation:

Name	Phone	Email Address

Signatures (Required)

Your signature below indicates that this proposal has the support of the department/discipline and that the plan is aligned with overall college objectives:

William Barnes	2/6/17		
Department Chair	(Date)	Dean, Career Technical Education	(Date)

Program (Discipline) or Department Name	TOPS (Required for programs)
Animal Science	0102

Description of Project

Number	Project Name	Total Perkins Funds Requested
1.0	**Equipment: Bovine ejaculation machine for A.I. labs, morphology and volume of spermazoa cells.**	**3,000**
2.0	**Professional Development: Inservice and training in current curriculum and industry changes**	**1,500**
3.0	**Fetal Pigs to used in animal science labs, reproduction, anatomy, and physiology.**	**1,000**
4.0	**Bovine A.I. equipment**	**2,000**
5.0	**Class set of meat grading equipment, to be used for evaluation of meat cuts**	**1,000**

Limit to one project

Briefly describe gap to be addressed (Briefly describe program improvement issue(s)	Brief Summary of Request: For 1.0, 3.0, 4.0 and 5.0 The equipment will be used in all animal science classes. Students will have access to it. It will enhance their skills in animal science. The equipment will be used to engage students and make them more employable in the animal science industry. I feel by adding this type technology it will help in increasing our core indicator(#4). The BC animal science dept is lacking key resources that are needed to teach labs in beef production, animal science B1, swine production, and animal nutrtion. For 2.0: Professional development is an essential tool in providing faculty, advisers, and staff with training in integration, rigor, pedagogy, and content updates. • *Brief Rationale of Program:* The majority of Animal Science students are transferring, mostly to a four year university. Animal Science students have a need for more hands-on activities in the areas of livestock management and feeding. We are focused on an Animal Science pathway leading to transferring students to a four year university or employment after BC. To increase enrollment and serve new students who

	cannot directly access the university system we must increase our resources on campus. The Animal Science program and the Agriculture Department needs are to build a stronger program that mirrors the industry, and serves our community. ● *Improvement Issue(s):* Lack of ● *Core Indicators to Address: Labor Market: Indicator 4* ● *Supporting Labor Market Data (data provided by SOC Code):* ● *EMSI Data: For 2015 and increase of 1.5% at $31.53/hr. California have 410 jobs as an animal scientist. Student with A.S 7.7% B.S 42.9%. The animal science degree is also needed for all areas of the animal industry such as-Feed companies, animal pharmaceutical, meat production, and livestock production.*
Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)	The AS core indicators are above our performance goals, although this is a good thing the need to give our students hands on with up-to-date equipment is still vital to student success.
Measurement or Evidence of Project Success	● *Identify specific core indicator measures to be improved/evidence: Will improve core indicator1(skills).The equipment will give students an opportunity to learn more in-depth about the anatomy and physiology of farm animals.* ● *Other measures to be improved/evidence:*

Description of Project Activities and Spending Plan (add or delete rows as needed):

No.	Describe Activity	Timeline	Must Reference Requ'd. Use	Approx Amount of Funds Requested	Object Code	Description of Vendor
1.0	**Bovine ejacolet**	**ASP**		3.000		**Wards Biology**

2.0	Professional development			1,500		
3.0	Fetal Pigs to used in animal science labs, reproduction, anatomy, and physiology.			1,000		Nasco Biology
4.0	Bovine A.I. equipment			2,000		
5.0	Class set of meat grading equipment, to be used for evaluation of meat cuts			1,000		Nasco

Describe project details including:
- **who will responsible for project**
- **when it will be done**
- **what outcomes are expected or targeted and**
- **how/when/who assessment will be reported**