

**ATTACHMENT "A"**  
**Academic Year 2017-2018**

<b>Program (Discipline) or Department Name</b>	<b>TOPS (Required for programs)</b>
Environmental Horticulture Agriculture Department	0109

List the projects included in your 2016-2017 by name and number

<b>Number</b>	<b>Project Name</b>	<b>Total Perkins Funds Requested</b>
1.0	Professional Development	\$ 3,700
2.0	Replacement Landscape Tools and Greenhouse Equipment	\$4,500
3.0		
4.0		
5.0		
<b>Total Amount of Perkins Funds Requested</b>		

**Perkins Discipline/Department Planning/Implementation Team**

<b>VTEA Primary Contact Name</b>	<b>Phone</b>	<b>Email Address</b>
Lindsay Ono	395-4938	lono@bakersfieldcollege.edu

List other departments/discipline members/key staff who will be involved in the 2016-2017 Perkins plan and implementation:

<b>Name</b>	<b>Phone</b>	<b>Email Address</b>
Sally Sterns	395-4446	sssterns@bakersfieldcollege.edu
Chris McCraw	395-4053	chris.mccraw@bakersfieldcollege.edu

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:

*Greg Cluff*                      12/9/16  
 Department Chair              (Date)

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 Dean, Career Technical Education              (Date)

**ATTACHMENT “B” (Limit to one project)  
Academic Year 2013-2014**

<b>Program (Discipline) or Department Name</b>	<b>TOPS (Required for programs)</b>
Environmental Horticulture	0109

**Description of Project**

<b>Number</b>	<b>Project Name</b>	<b>Total Perkins Funds Requested</b>
<b>1.0</b>	<b>Environmental Horticulture Professional Development</b>	<b>\$3,800</b>

**Limit to one project**

<p><b>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</b></p>	<ul style="list-style-type: none"> <li>• <b>Brief Summary of Request:</b> Professional development financial support is requested to attend industry and educational development meetings, seminars, conferences, events and industry related visits.</li> <li>• <b>Brief Rationale of Program</b></li> <li>• Ornamental Horticulture is a Career Technical Education (CTE) program. Therefore, our certificate programs align with one of the core missions of Bakersfield College, and that is to supply trained individuals to work in vocational jobs of regional agricultural businesses. Horticultural supervisory level jobs have increased about 4% in Kern County and in California. The horticulture industry is estimated to have a statewide economic activity well over \$10 billion annually, with approximately 60% centered in Southern California. Services and uses account for slightly more than 50% of the total economic activity, production about 20%, and equipment and accessories about 30%.</li> <li>• <b>Improvement Issue(s):</b> The horticulture industry is constantly changing due to emerging technology, environmental issues and new plant introductions. The educational seminars that I have attended have benefitted me and I wish to keep learning more.</li> <li>• <b>Core Indicators to Address: Labor Market:</b> Deficient core indicators: CORE 2 Completion, 77.78; CORE 4 Employment 20.00</li> <li>• <b>Supporting Labor Market Data (data provided by SOC Code): 37-1012, 17-1012, 45-2092</b></li> <li>• <b>EMSI Data:2014-2024</b></li> </ul>
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	<ul style="list-style-type: none"> <li>• The Landscape industry is anticipating a 5.3% increase in employment. Median income: \$43,160</li> <li>• Landscape architecture is anticipating a 5.5% increase in employment. Median income: \$64,570</li> <li>• Crop, nursery and greenhouse expect a decrease in employment. This is due to modernization of technology and production practices. Median Income: \$27,380</li> </ul>
<b>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</b>	The educational benefits received will keep the instructor and horticultural technician current with changing trends. The trends taught to the students in the classroom and labs will make our students more employable. The updated information given to students can also interest the students to increase completion trends improving CORE 2 completion. Visiting horticultural sites and attending industry events will create networking opportunities that can result in internships and employment opportunities.
<b>Measurement or Evidence of Project Success</b>	<ul style="list-style-type: none"> <li>• <i>Identify specific core indicator measures to be improved/evidence:</i> CORE 4 employment will increase by 15%.</li> <li>• <i>Other measures to be improved/evidence:</i> CORE 2 completion will be improved.</li> </ul>

**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	California Agriculture Teachers Association Agriculture –Water, Environment and Technology Seminar, Summer conference	December - June, 2018	4a, 4c, 5a,5b, 5c	\$1,450	5220	California Agriculture Teachers Association

1.2	CLCA Convention, President's meetings, Landscape Industry Show, Education committee meetings	November, 2017 – June, 2018	4a, 4c, 5a,5b, 5c, 6, 7	\$1,400	5220	California Landscape Contractors Association
1.3	San Francisco Flower Show	March, 2018	4a, 5a, 5c,	\$950	5220	San Francisco Flower Show

**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**

Lindsay Ono will be responsible for this project.

The project will be completed by June, 2017

Outcomes: CORE 4 employment, CORE 2 completion

Lindsay Ono will be responsible for reporting the completion status for each project portion within 2 weeks at the end of the event. The assessment will be emailed to the program coordinator.

**ATTACHMENT "B" (Limit to one project)  
Academic Year 2013-2014**

<b>Program (Discipline) or Department Name</b>	<b>TOPS (Required for programs)</b>
Environmental Horticulture	0109

**Description of Project**

<b>Number</b>	<b>Project Name</b>	<b>Total Perkins Funds Requested</b>
<b>2.0</b>	<b>Replacement Landscape Tools and Greenhouse Equipment</b>	<b>\$4,500</b>

**Limit to one project**

<p><b>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</b></p>	<ul style="list-style-type: none"> <li>• <b>Brief Summary of Request:</b> The horticulture lab has experienced theft of hand tools and equipment. This request is to replace and update stolen, old or damaged equipment used in the horticulture lab by students and staff. Included on this list are landscape hand tools, lab equipment tools, and greenhouse equipment. Also included will be lumber and supplies for students to construct a tool organizer for the hand tools to prevent theft and damage.</li>   <li>• <b>Brief Rationale of Program</b></li> <li>• Ornamental Horticulture is a Career Technical Education (CTE) program. Therefore, our certificate programs align with one of the core missions of Bakersfield College, and that is to supply trained individuals to work in vocational jobs of regional agricultural businesses. Horticultural supervisory level jobs have increased about 4% in Kern County and in California. The horticulture industry is estimated to have a statewide economic activity well over \$10 billion annually, with approximately 60% centered in Southern California. Services and uses account for slightly more than 50% of the total economic activity, production about 20%, and equipment and accessories about 30%.</li>   <li>• <b>Improvement Issue(s):</b> The horticulture industry is constantly changing due to emerging technology, environmental issues and new plant introductions. The horticultural tools that I have requested will help improve the learning environment in horticulture.</li>   <li>• <b>Core Indicators to Address: Labor Market:</b> Deficient core indicators: CORE 2 Completion, 77.78; CORE 4 Employment 20.00</li> </ul>
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	<ul style="list-style-type: none"> <li>• <i>Supporting Labor Market Data (data provided by SOC Code): 37-1012, 17-1012, 45-2092</i></li> <li>• <i>EMSI Data:2014-2024</i></li> <li>• The Landscape industry is anticipating a 5.3% increase in employment. Median income: \$43,160</li> <li>• Landscape architecture is anticipating a 5.5% increase in employment. Median income: \$64,570</li> <li>• Crop, nursery and greenhouse expect a decrease in employment. This is due to modernization of technology and production practices. Median Income: \$27,380</li> </ul>
<b>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</b>	The educational benefits received will teach students about proper tool care and use. It will also show students how to use greenhouse equipment. The lessons taught to the students in the classroom and labs will make our students more employable. The information given to students can also interest the students to increase completion trends improving CORE 2 completion. The hands-on labs will create opportunities that can result in internships and employment opportunities.
<b>Measurement or Evidence of Project Success</b>	<ul style="list-style-type: none"> <li>• <i>Identify specific core indicator measures to be improved/evidence:</i> CORE 4 employment will increase by 15%. CORE 2 completion will be improved by 20%</li> <li>• <i>Other measures to be improved/evidence:</i></li> </ul>

**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
2.0	Purchase landscape tools, lab tools	August, 2017 – June, 2018	1a, 1b, 3, 3b, 7	\$1,800	4310	Central Garden Supply
2.1	Purchase of lumber and related materials	August, 2017 – December, 2018	1a, 1b, 3, 3b, 7	\$2,100	4310	Lowes Home Improvement

**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**

Lindsay Ono will be responsible for this project.

The project will be completed by June, 2017

Outcomes: CORE 4 employment, CORE 2 completion

Lindsay Ono will be responsible for reporting the completion status for each project portion within 2 weeks at the end of the event. The assessment will be emailed to the program coordinator.

**ATTACHMENT “B” (Limit to one project)  
Academic Year 2013-2014**

<b>Program (Discipline) or Department Name</b>	<b>TOPS (Required for programs)</b>
Agriculture Department	01, 0101, 0102, 0103, 0109, 0112, 0114, 0115, 0116

**Description of Project**

<b>Number</b>	<b>Project Name</b>	<b>Total Perkins Funds Requested</b>
<b>3.0</b>	<b>CAL Collegiate Agriculture Leaders Student Events</b>	<b>\$ 3000</b>

**Limit to one project**

<p><b>Briefly describe gap to be addressed (Briefly describe program improvement issue(s))</b></p>	<ul style="list-style-type: none"> <li>• <b><i>Brief Summary of Request:</i></b> The Agriculture department has the opportunity to send students to the CAL Collegiate Agriculture Leaders Leadership conference in the fall and to the CAL speech competition in the spring. The leadership conference teaches students leadership skills that can be applied at school or in the employment sector. This conference teaches students communication skills, leadership responsibility and introduces them to speakers from industry and from regional universities.</li> <li>• The CAL speech contest brings students from across California to test their public speaking abilities. Bakersfield College hosted this contest on March 4, 2016. Many people from industry are the judges of this contest.</li> <li>• <b><i>Brief Rationale of Program</i></b></li> <li>• CAL the Collegiate Agriculture Leaders program is composed of Agricultural community colleges from throughout the state of California. The purpose is to create leadership opportunities and make the student more employable. The Agriculture department uses this program to network with other community colleges and this student program helps the students significantly.</li> <li>• <b><i>Improvement Issue(s):</i></b> The agriculture industry is constantly changing due to emerging technology, environmental issues and changing business environment.</li> <li>• <b><i>Core Indicators to Address: Labor Market:</i></b> The Ag department has areas that require improvement.</li> </ul>
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	<ul style="list-style-type: none"> <li>• <i>Supporting Labor Market Data (data provided by SOC Code): 19-4011, 25-1041, 49-3041, 37-1012, 17-1012, 45-2092</i></li> <li>• <i>EMSI Data:2014-2024</i></li> <li>• The general areas of agriculture overall show increases in employment opportunities. The agriculture sector for California anticipate growth in value-added agriculture.</li> </ul>
<b>Briefly describe how the gap(s) will be addressed (Briefly describe how the issue(s) will be addressed)</b>	<ul style="list-style-type: none"> <li>• The educational benefits received will teach students about California agriculture. The leadership conference teaches students leadership skills that can be applied at school or in the employment sector. This conference teaches students communication skills, leadership responsibility and introduces them to speakers from industry and from regional universities. Gaps that will be addressed will be in minority representation and completion.</li> </ul>
<b>Measurement or Evidence of Project Success</b>	<ul style="list-style-type: none"> <li>• <i>Identify specific core indicator measures to be improved/evidence:</i> The department should see an increase in completion, persistence and job employment with those students who attend.</li> <li>• <i>Other measures to be improved/evidence:</i></li> </ul>

**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
3.0	CAL Conference/CAL Competition	November, 2017– March, 2018	1a, 1b, 3, 4b, 4c, 5b, 5c, 6, 9	\$3,000	5212	Collegiate Agriculture Leaders/ Host College

**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**

Lindsay Ono will be responsible for this project. Chris McCraw, Sally Sterns, Norman Oilar, Greg Cluff, Bill Kelly and Billy Barnes may participate in this program. The new hire may also participate.

The project will be completed by April, 2017

Outcomes: many

Lindsay Ono will be responsible for reporting the completion status for each project portion within 2 weeks at the end of each event. The assessment will be emailed to the program coordinator.