

Local Application Program Information by TOP Code (& Final Report)

2014-2015

District/College: Santa Ana College **Agreement No.:** XX-C01-XX
Program Title: Welding **TOP Code:** 0956.50

Title of Proposed Project/Activity		Orbital Welder	
Department/Division		WELDING DEPARTMENT	
Project Director		GEORGE MORENO	
Project Director's Phone #	714 564-6671	Email	Moreno_George@Sac.Edu
Division Dean	Bart Hoffman		
Dean's Phone #	714 564-6800	Email	Hoffman_bart@sac.edu
TOP Code	0956.50	TOP Code Title	Welding Technology

Funding Rationale

Based upon a review of the Core Indicators Report for your program, which of the following core indicators will be addressed in this plan?

- 1P1 – Technical Skill Attainment – Successful course completion
- 2P1 – Credential, Certificate or Degree – Student program completion
- 3P1 – Student Persistence or Transfer – Higher Education
- 4P1 – Student Placement – Employment
- 5P1 – Nontraditional Participation – DISTRICT PRIORITY
- 5P2 – Nontraditional Completion – DISTRICT PRIORITY

Briefly describe program improvement issue(s) concerning this TOP code and include specific examples. (Limited to 2,000 characters, or approximately ½ page of text)

The welding program requires upgraded equipment to meet the needs of the industry. As technology progresses at an increasing rate, the need for up to date machines and techniques has continued to gather speed. For instance a (Orbital welder) it's very important for our training facility. We can train our student in programming and welding certification. This project is a necessary part of the new certified welding areas, designed to increase employment in high paying, in demand jobs. The student requires hands-on experience and certification using state of the art, modern welding and cutting machines. The welding curriculum should reflect the modernization of the program with units of instruction on these machines. The welding program is an integral part of the automotive and diesel programs and their students would benefit from the purchase of this equipment. This

equipment would also be used to enhance the training in the upcoming courses given under the CTE Grant for local high school students. As the need for high paying and in demand jobs continues to increase, modernized welding is well suited to help break down barriers for diverse and nontraditional students. These modern machines and the welding program serve as a doorway to a satisfying career in a growing industry.

What is your projected completion date? June 2015

Briefly describe how the issue(s) will be addressed. *(Limited to 2,000 characters, or approximately ½ page of text)*

This project would purchase one (1) Orbital welder, one (1) eight V-275 pack rack, a Visual system for robotic system 5, semi-automatic cutting tractors, Six(6) single V275 welders, equipment required to update the welding program to modern industry standards. Through the extensive hands-on experience in this program, as well as the modernization of the equipment, the student would be able to enter industry with confidence. The skill level of the student would increase as well as their ability to use modern machines and materials. This welding program update is enhanced by the CTE Collaborative Grant between SAC and the Santa Ana High School District. High school students would be taking college level welding courses in upcoming semesters.

The recruitment and outreach of nontraditional students will increase, especially for women entering the welding field.

Final Report summary *(this yellow shaded sections are for Final Report)*

1. Was the program improvement issue(s) addressed and/or planned objectives met? *(Narratives limited to 1000 characters)*

If the response in Section 1 is **No** or **Partially** describe the barriers and/or lessons learned in Section 2.
 If the response in Section 1 is **Yes** or **Partially** describe the accomplishment and/or effective practices derived from the project in Section 3.

Select **Yes** **No** **Partially** *(Complete the following narrative section(s) as appropriate.)*

2. Describe any barriers encountered and lessons learned – Required if the response to Question 1 is No or Partially.

(Narratives limited to 1000 characters, or approximately one quarter page of text).

3. Describe accomplishments including effective practices derived from the project

(Narratives limited to 1000 characters, or approximately one quarter page of text).

Final Report of Expenditures: \$ _____ *(Resource Development will have this amount for Final report)*

Professional Dev. (including stipends)

Instructional Materials Purchase/Replacement (Include software)

Instructional Equipment Purchase/Replacement	Programs/Services for Special Populations
Facility rental/lease (off-campus location)	Consultant or Other Contracted Services
Curriculum Development	Other (specify)
Program Marketing & Outreach	

Below are the nine §135(b) Requirements for Uses of Funds. Programs receiving these funds must meet these requirements. Indicate with a check mark those requirements that the program currently meets (met). Any remaining unmet requirement(s) must be addressed with completed or ongoing activities by June 30 for reporting in the final report. Note: All nine required uses of funds must be met by the end of the Act or each year until reauthorization. Funds may also be used for the permissive activities specified in number 10.

Indicate with a check mark which requirements have been met, below.

Requirements for Uses of Funds	MET	UNMET	For Final Report if the UNMET activity is now met
1. Strengthening the academic, and career and technical skills of students participating in CTE programs through the integration of academics with CTE programs. [§135(b)(1)]	X		
2. Link CTE at the secondary and the postsecondary levels, including by offering elements of not less than one program of study described in §122(c)(1)(A). [§135(b)(2)]	X		
3. Provide students with strong experience in and understanding of all aspects of an industry, which may include work-based learning experiences. [§135(b)(3)]	X		
4. Develop, improve, or expand the use of technology in CTE, which may include training to use technology, providing students with the skills needed to enter technology fields, and encouraging schools to collaborate with technology industries to offer internships and mentoring programs. [§135(b)(4)]	X		
5. Provide in-service and pre-service professional development programs to faculty, administrators, and career guidance and academic counselors involved in integrated CTE programs, on topics including effective integration of academics and CTE, effective teaching skills based on research, effective practices to improve parental and community involvement, effective use of scientifically based research and data to improve instruction. Professional development should also ensure that faculty and personnel stay current with all aspects of an industry; involve internship programs that provide relevant business experience; and train faculty in the effective use and application of technology. [§135(b)(5)]	X		
6. Develop and implement evaluations of the CTE programs carried out with Perkins funds, including an assessment of how the needs of special populations are being met. [§135(b)(6)]	X		
7. Initiate, improve, expand and modernize quality CTE programs, including relevant technology. [§135(b)(7)]	X		
8. Provide services and activities that are of sufficient size, scope and quality to be effective. [§135(b)(8)]	X		
9. Provide activities to prepare special populations, including single parents and displaced homemakers enrolled in CTE programs, for high-skill, high-wage or high-demand occupations that will lead to self-sufficiency. [§135(b)(9)]	X		

FOR THOSE REQUIREMENT(S) LISTED ABOVE AS "UNMET:"

Describe specific activity(ies) intended to address for each of the unmet requirement(s). (Limited to 2,000 characters, or approximately 1/2 page of text.)

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FOR THOSE REQUIREMENT(S) LISTED ABOVE AS "UNMET:"

Describe specific future activity(ies) intended to address for each remaining unmet requirement(s). (Limited to 4,000 characters)

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10. Permissive Uses Per Section 135(c) (check activities to be funded with CTE funds)	
X	1. Involve parents, businesses, and labor organizations, in the design, implementation and evaluation of CTE programs. [§135(c)(1)]
X	2. Provide career guidance and academic counseling for students participating in CTE programs, that improves graduation rates and provides information on postsecondary and career options, and provides assistance for postsecondary students and adults. [§135(c)(2)]
	3. Local education and business partnerships, including work-related experiences for students, adjunct faculty arrangements for qualified industry professionals and industry experience for teachers and faculty. [§135(c)(3)]
X	4. Provide programs for special populations. [§135(c)(4)]
	5. Assisting career and technical student organizations. [§135(c)(5)]
	6. Mentoring and support services. [§135(c)(6)]
X	7. Leasing, purchasing, upgrading or adapting equipment, including instructional aides and publications (including support for library resources) designed to strengthen and support academic and technical skill achievement. [§135(c)(7)]
	8. Teacher preparation programs that address the integration of academic and CTE and that assist individuals who are interested in becoming CTE faculty, including individuals with experience in business and industry. [§135(c)(8)]
	9. Developing and expanding postsecondary program offerings at times and in formats that are accessible for all students, including through the use of distance education. [§135(c)(9)]
	10. Developing initiatives that facilitate the transition of sub-baccalaureate CTE students into baccalaureate degree programs, including articulation agreements, dual enrollment programs, academic and financial aid counseling and other initiatives to overcome barriers and encourage enrollment and completion. [§135(c)(10)]
	11. Providing activities to support entrepreneurship education and training. [§135(c)(11)]
	12. Improving or developing new CTE courses, including the development of programs of study for consideration by the state and courses that prepare individuals academically and technically for high-skill, high-wage or high-demand occupations and dual or concurrent enrollment opportunities. [§135(c)(12)]
	13. Developing and supporting small, personalized career-themed learning communities. [§135(c)(13)]
	14. Providing support for family and consumer sciences programs. [§135(c)(14)]
X	15. Providing CTE programs for adults and school dropouts to complete secondary education or dropouts to complete secondary education or upgrade technical skills. [§135(c)(15)]
X	16. Providing assistance to individuals who have participated in services and activities under this Act in continuing their education or training or finding an appropriate job. [§135(c)(16)]
X	17. Supporting training and activities (such as mentoring and outreach) in nontraditional fields. [§135(c)(17)]
X	18. Providing support for training programs in automotive technologies. [§135(c)(18)]
	19. Pooling a portion of such funds with a portion of funds available to other recipients for innovative initiatives. [§135(c)(19)]
X	20. Supporting other CTE activities consistent with the purposes of the Act. [§135(c)(20)]

NOTE: If you indicate CTE funds are being used for the specified activities below, then there must be funding for the activity(ies) indicated in the line item budget for that TOP Code program(s) funded.

Check all types of activities to be funded with CTE Funds:

<input type="checkbox"/>	Professional Dev. (including stipends)	X	Instructional Materials Purchase/Replacement (including software)
X	Instructional Equipment Purchase/Replacement	X	Programs/Services for Special Populations
<input type="checkbox"/>	Facility rental/lease (off-campus location)	<input type="checkbox"/>	Consultants or Other Contracted Services
<input type="checkbox"/>	Curriculum Development	<input type="checkbox"/>	Other (specify)self evaluation for improvement of the program
X	Program Marketing and Outreach	<input type="checkbox"/>	

Check one: UNMET REQUIREMENTS WILL BE ADDRESSED:

<input type="checkbox"/>	Entirely with Perkins Funds
<input type="checkbox"/>	Entirely with Other Funding Sources
X	Using Both Perkins and Other Funding Sources

PROVIDE DETAILED BUDGET

Department Code: 15756

Budgeting Category/Description	Fund Requested		
	Instructional	Non-Instructional	TOTAL
1000 – Faculty salaries			
2000 – Classified salaries (Instructional Assistant)			
3000 – Benefits (based on 2013/14 benefits) Part-time faculty & beyond contract (13.15%) P/T short-term classified (6.2% of wages) P/T ongoing classified (22.542%) Full-time classified (22.542% of wages + health & life insurance (maximum \$22,374.12) & fringe ben.\$1,486.36)			
4000 – Supplies & Materials Reference Books; Instructional Supplies; Supplies Technology – no promotional materials/favors	\$ 4500		\$ 4500
5000 – Other Operating Expenses & Services Conference, consultants, contracts, printing, software license & fees, maintenance contract	\$ 4500		\$ 4500
6000 – Capital Outlay Equipment, software over \$1,000 (no furniture)	\$200,000		\$200,000
Total Funding Requested	\$209,000		\$209,000

Note: Final Report of expenditures will be reported according to the following categories:

- Curriculum Development/Instruction
- Professional Development
- Counseling/Direct Services to Students
- Other: You must provide a description of programs/services funded
- Administration (not to exceed 5% - reserved for DO)

PLEASE NOTE CARL PERKINS IV FUNDS MAY ONLY SERVE CAREER-TECHNICAL STUDENTS

- One Orbital welder K52082-1 K52000-08 8' track and ring K52000-10 10' track and ring
- One 8 Pack K2666-2 Invertec V-275 8 pack rack
- One Vision System for system 5 robotic welder
- Two Semi-automatic cutting tractors
- Six invertec V-275 welders

Budget Questions/Clarifications:

Acceptance of requested funds entails a responsibility for developing a project plan and final report. All 9 mandated activities must be achieved. Each department must submit a copy of their Advisory Committee Minutes to the Career Education & Workforce Development Office.


 Project Director


 Division Dean

Date: 3-19-14

Date: 3/19/14

Section II Part B
Perkins Career and Technical Education Act (Title IC) – Local Application (& Final Report)
Program Information by TOP Code

College/District: RSCCD –

Agreement #: XX-C01-042

Retain in District Audit Files

Program Title: Orbital Welder

TOP CODE(s): 0956.50
 Section 135(b) Requirements

Column A	Column B	Column C	Column D	Column E
<p>Column A</p> <p>Refer to the District's 2008-2012 Local Plan for Title I, Part C, Section 132 Funds, Carl D. Perkins Career and Technical Education Act of 2006 (Perkins).</p> <p>Check the corresponding Section II Part A form for the Met/Unmet Requirements for Use of Funds."</p> <p>Note: Each TOP Code identified for funding must meet each of the nine requirements by the end of the Act or each year until reauthorization.</p> <p>Section 135(b) Requirements</p> <p>1. Strengthening the academic and career and technical skills of students participating in CTE programs through the integration of academics with CTE programs.</p>	<p>Column B</p> <p>Describe activities to be conducted to address Perkins Section 135(b) requirements listed in Column A.</p> <p>1. Under the appropriate requirement, describe activities to be funded by Perkins Title IC to improve or expand the identified 4- or 6-digit TOP Code career and technical education programs.</p> <p>2. For each Section 135(b) requirement listed in Column A, number each activity separately (i.e., 1.1, 1.2, etc.)</p> <p>3. If an activity meets more than one requirement, reference the number of the activity stated previously (i.e., same as 1.2).</p> <p>PLEASE BE SPECIFIC SINCE THESE ACTIVITIES WILL BE AUDITED!</p>	<p>Column C</p> <p>Enter applicable number in appropriate column below.</p> <p>Core Indicator addressed by the activity listed.</p> <p>1 = Tech. Skill Attainment 2 = Credential/Certificate/ Degree 3 = Student Persistence or Transfer 4 = Student Placement 5 = Nontrad. Participation 6 = Nontrad. Completion</p>	<p>Column D</p> <p>Designate source of funds to be used by assigning a number as shown below:</p> <p>1 = Perkins IC 2 = Other funds 3 = Both 4 = No funds needed</p>	<p>Column E</p> <p>Status of Activity:</p> <p>1 = Planned 2 = Started 3 = Continuing 4 = Completed</p>
<p>2. Link CTE at the secondary and the postsecondary levels, including by offering elements of not less than one program of study described in §122(c)(1)(A).</p>	<p>Activities list in the application (local application)</p> <p>Measurements and blue print projects as well as basic math will be included into the welding curriculum. Welding reports and communication on welding assignment will be required.</p> <p>Outcome by the end of the fiscal year (final report)</p> <p>A welding course will be delivered along with enrolled high school students from SAUSD. Articulation agreements will be signed with local H.S. The welding instructor will participate in high school activities such as advisory committees and career days.</p>	<p>Core Indicators</p> <p>1, 2, 3, 6</p>	<p>Source of funds</p> <p>4</p>	<p>Status of activity at the beginning (local application)</p> <p>2</p> <p>Status of activity at the end of the fiscal year (final report)</p>

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TOP CODE(s): 0956.50 Retain in District Audit Files

Section 135(b) Requirements Program Title: Orbital Welder

Column A	Column B	Column C	Column D	Column E
3. Provide students with strong experience in and understanding of all aspects of an industry, which may include work-based learning experiences.	Students will participate in hands-on training of all aspects of up to date welding technology including gas, arc electric and other process.	1, 3, 4	1	1

Enter applicable number in appropriate column below.

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 Section 135(b) Requirements

Column A	Column B	Column C	Column D	Column E
Section 135(b) Requirements	Activities	Core Indicators	Source of funds	Status
4. Develop, improve, or expand the use of technology in CTE, which may include training to use technology, providing students with the skills needed to enter technology fields, and encouraging schools to collaborate with technology industries to offer internships and mentoring programs.	The Welding Technology Department will improve and expand the use of technology by the purchase of new modern equipment.	1, 2, 3, 4, 5, 6	1	1
5. Provide in-service and pre-service professional development programs to faculty, administrators, and career guidance and academic counselors involved in integrated CTE programs, on topics including effective integration of academics and CTE, effective teaching skills based on research, effective practices to improve parental and community involvement, effective use of scientifically based research and data to improve instruction. Professional development should also ensure that faculty and personnel stay current with all aspects of an industry; involve internship programs that provide relevant business experience; and train faculty in the effective use and application of technology.	Faculty will attend update training on modern equipment and techniques. The needs of industry will be assessed through the advisory committee and industry visits. The welding faculty will keep their welding certification current.	1,2,3,4,5,6	1	1
6. Develop and implement evaluations of the CTE programs carried out with Perkins funds, including an assessment of how the needs of special populations are being met.	Evaluation of the welding program update would be accomplished by monitoring the number of high school students completing welding courses. The number of certificates of completion, as well as the numbers for student persistence, job placement and non-traditional students should increase. The number of certified welders would also increase.	2, 3, 6	4	1

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TOP CODE(s): 0956.50

Program Title: Orbital Welder

Section 135(b) Requirements

Column A	Column B	Column C	Column D	Column E
Section 135(b) Requirements	Activities	Core Indicators	Source of funds	Status
7. Initiate, improve, expand and modernize quality CTE programs, including relevant technology.	The purchase of new up-to-date equipment used in the industry integrate equipment into the welding program curriculum.	1, 3, 4, 5, 6	1	1
8. Provide services and activities that are of sufficient size, scope and quality to be effective.	The number of student welding stations will be increased to improve the efficiency of the welding department. The Automotive and Diesel Technology Departments also have welding as an integral part of their program. The Welding Technology program would serve the needs of all three departments.	1, 2, 3, 5, 6	1	1
9. Provide activities to prepare special populations, including single parents and displaced homemakers enrolled in CTE programs, for high-skill, high-wage or high-demand occupations that will lead to self-sufficiency.	Develop and deliver a course for concurrently enrolled high school students. Will develop and deliver a new course for welding certification.	1, 2, 3, 4, 5, 6	1	1

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Program Title: Orbital Welder

TOP CODE(s): 0956.50

Section 135(b) Requirements

Column A	Column B	Column C	Column D	Column E
Section 135(c) Permissive Uses	Activities	Core Indicators	Source of funds	Status
10. Funds may be used to: (1) Involve parents, businesses, and labor organizations, in the design, implementation and evaluation of CTE programs. (2) Provide career guidance and academic counseling for students participating in CTE programs that improves graduation rates and provides information on postsecondary and career options, and provides assistance for postsecondary students and adults. (3) Local education and business partnerships, including work-related experiences for students, adjunct faculty arrangements for qualified industry professionals and industry experience for teachers and faculty. (4) Provide programs for special populations. (5) Assisting career and technical student organizations. (6) For mentoring and support services; (7) Leasing, purchasing, upgrading or adapting equipment, including instructional aides and publications (including support for library resources) designed to strengthen and support academic and technical skill achievement. (8) Teacher preparation programs that	Deliver course to concurrently enrolled high school students, including parents in orientation Participate in local High School Advisory meetings Support tours of Auto/Diesel/Welding area for high school students and parents as well as business representatives Career-Job Resource Center will provide assistance, job seeking and employment support. Career Technical Education counselor available for welding students.	1, 2, 5, 6	3	3
		3, 4, 5, 6	2	3
	This project will allow special population students to be trained with the most up-to-date equipment in the field.	1, 2, 5, 6	3	3
	Purchase equipment and upgrades to meet the needs of the project. Including: Orbital Welder, Invertec 8 rack pack, vision system for system 5, semi-automatic cutting tractor, invertec welders.	1, 2, 3, 5, 6	3	1

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 Section 135(b) Requirements

Column A	Column B	Column C	Column D	Column E
	Activities	Core Indicators	Source of funds	Status
<p>Section 135(c) Permissive Uses</p> <p>address the integration of academic and CTE and that assist individuals who are interested in becoming CTE faculty, including individuals with experience in business and industry.</p>				
<p>(9) Developing and expanding postsecondary program offerings at times and in formats that are accessible for all students, including through the use of distance education.</p>				
<p>(10) Developing initiatives that facilitate the transition of sub-baccalaureate CTE students into baccalaureate degree programs, including articulation agreements, dual enrollment programs, academic and financial aid counseling and other initiatives to overcome barriers and encourage enrollment and completion.</p>				
<p>(11) Providing activities to support entrepreneurship education and training.</p>				
<p>(12) Improving or developing new CTE courses, including the development of programs of study for consideration by the state and courses that prepare individuals academically and technically for high-skill, high-wage or high-demand occupations and dual or concurrent enrollment opportunities.</p>				
<p>(13) Developing and supporting small, personalized career-themed learning communities.</p>				

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Section 135(b) Requirements

Column A	Column B	Column C	Column D	Column E
Section 135(c) Permissive Uses	Activities	Core Indicators	Source of funds	Status
(14) Providing support for family and consumer sciences programs.				
(15) Providing CTE programs for adults and school dropouts to complete secondary education or dropouts to complete secondary education or upgrade technical skills.	Put into operation classroom as well as hands-on practice to upgrade the skill level of all students including adults, dropouts and non-traditional students.	1, 2, 3, 5	2	1
(16) Providing assistance to individuals who have participated in services and activities under this Act in continuing their education or training or finding an appropriate job.	Career/Job Resource Center will provide guidance, job seeking and employment support.	4, 5	2	3
(17) Supporting training and activities (such as mentoring and outreach) in nontraditional fields.	Enhance the level of marketing and outreach for recruitment of non-traditional students in the welding program.	5, 6	2	3
(18) Providing support for training programs in automotive technologies.	Secure donations for supply equipment for local high school welding programs. Supply update training for high school instructors as required	1, 2, 3, 5	3	2
(19) Pooling a portion of such funds with a portion of funds available to other recipients for innovative initiatives.				
(20) Supporting other CTE activities consistent with the purposes of the Act.	Faculty will attend update as well as advance technology training. Instructor will maintain currency in welding certification procedures.	1, 3	2	