

**Strong Workforce Program
2016-2017
Regional Share Awards - Scenario 3**

Program Name		Env. Res. Mgmt.	Journalism	Film/TV Prod.	Animation	CIS: Programming	CIS: Network/Sec.	Energy Mgmt.	Auto Tech	DMT: CAD	DMT: MCNC	Prof Photo
INDEX												
Fund												
Organization												
TOP/Program Code		030300	060200	060420	061440	070710	070800	094610	094800	095300	095600	101200
ACCT CODE	OBJECT OF EXPEND.											
1000	Instructional Salaries	\$ 10,000						\$ 5,000	\$ 2,500		\$ 5,000	
2000	Non-instructional Salaries											
3000	Employee Benefits	\$ 1,100						\$ 550	\$ 250		\$ 550	
4000	Supplies & Materials	\$ 3,500						\$ 5,000				
5000	Other Operating Exp. & Svcs.	\$ 4,500						\$ 5,000			\$ 3,000	
6000	Capital Outlay	\$ 15,000						\$ 10,000	\$ 107,000		\$ 177,000	
7000	Other Outgo (Students)											
Total 2016-2017 SWP Awards		\$ 34,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,550	\$ 109,750	\$ -	\$ 185,550	\$ -

Program Name		Graphic Des	MLT	Health Tech	Nursing	Massage Ther	Child Dev	CTE Outreach	Admin of Justice	CTE Admin.	2016-17 DE ANZA Strong Workforce Program REGIONAL AWARDS TOTAL	
INDEX												
Fund												
Organization												
TOP/Program Code		103000	120500	120800	123000	126200	130500	709000	210500	709000		
ACCT CODE	OBJECT OF EXPEND.											
1000	Instructional Salaries						\$ 5,000			\$ 35,152		\$ 62,652
2000	Non-instructional Salaries							\$ 18,000				\$ 18,000
3000	Employee Benefits						\$ 550	\$ 7,740		\$ 10,546		\$ 21,286
4000	Supplies & Materials						\$ 1,300	\$ 1,000		\$ 500		\$ 11,300
5000	Other Operating Exp. & Svcs.						\$ 1,500	\$ 300		\$ 1,500		\$ 15,800
6000	Capital Outlay											\$ 309,000
7000	Other Outgo (Students)											\$ -
Total 2016-2017 SWP Awards		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,350	\$ 27,040	\$ -	\$ 47,698		\$ 438,038

**Strong Workforce Program
REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: **Foothill-De Anza CCD/De Anza**

Industry Sector: **Recycling/Materials Management**

TOP Code: **0303.00**

Proposal Title: **Sustainable Resource Mgmt Certificate**

Strong Workforce Program (Enter dollar amount only - Rounded off to the nearest whole dollar)					
Line No.	Acct. Code	Object of Expenditure	Program Expansion/Industry Engagement	Instructional Equipment	TOTAL
1	1000	Instructional Salaries	\$10,000		\$10,000
2	2000	Non-Inst. Salaries			\$0
3	3000	Employee Benefits	\$1,100		\$1,100
4	4000	Supplies & Materials		\$3,500	\$3,500
5	5000	Other Operating Expenses & Services		\$4,500	\$4,500
6	6000	Capital Outlay		\$15,000	\$15,000
7	7000	Other Outgoing			\$0
		Total Expenditures	\$11,100	\$23,000	\$34,100

Program Expansion/Industry Engagement

Addition of a new Certificate in Sustainable Resource Management (SRM) to be placed under the existing ERM&P2 major. It is envisioned that the new Certificate will be 18 units, with 9 units coming from three new 3-unit course offerings in SRM and the remaining 9 units coming from other existing ERM&P2 offerings. Budget figures shown are for: 1) coordinating with industry partners and other colleges around the development of the program 2) developing the 3 new courses, and 3) Instructional Equipment.

The curriculum is to be based on materials developed by Go2Zero Strategies at the behalf of the National Recycling Coalition (NRC). The NRC is seeking to have a well-trained workforce for the recycling and materials management industry, which is projected to grow by over 14,000 workers here in California alone over the next few years. NRC also offers a Professional Certification Program in Sustainable Resource

**Strong Workforce Program
REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: Foothill-De Anza CCD/De Anza

Industry Sector: Recycling/Materials Management

TOP Code: 0303.00

Proposal Title: Sustainable Resource Mgmt

Proposal Summary: Provide a brief description of the proposal.

Addition of a new vocational Certificate (20 units) in Sustainable Resource Management (SRM) to be placed under the existing ERM&P2 major. Development and implementation is to be performed in partnership with the National Recycling Coalition, the leading industry trade group for the recycling and materials management industry. (The NRC has over 6000 members, including the California Resource Recovery Association.)

Proposal Start and End Date (estimated):

Start: 1/17

End: 9/18 (new certificate takes effect and the first classes in SRM are offered)

Proposal Rationale: What need does this proposal address?

This proposal addresses the need for a well-trained workforce for the rapidly growing recycling and materials management industry, as has been identified and prioritized by the National Recycling Coalition. There is currently no vocational program offered in the Bay Area Region to address this need regionally.

How Does This Proposal Address Regional Labor Market Needs?

The recycling and materials management industry has been rapidly growing and is expected to continue that strong growth, especially here in California, driven by government mandate, economics, and public desire. Current projections are growth by over 14,000 workers here in California alone over the next few years.

How Does This Proposal Address Regional Priorities?

As noted above, there is currently no vocational program offered in the Bay Area Region to address this identified need regionally.

**Strong Workforce Program
REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: Foothill-De Anza CCD/De Anza

Industry Sector: Energy, Construction and Utilities

TOP Code: 0946.10

Proposal Title: NorCal Facility Management Talent Pipeli

Strong Workforce Program (Enter dollar amount only - Rounded off to the nearest whole dollar)					
Line No.	Acct. Code	Object of Expenditure	Program Expansion/Industry Engagement	Instructional Equipment	TOTAL
1	1000	Instructional Salaries	\$5,000		\$5,000
2	2000	Non-Inst. Salaries			\$0
3	3000	Employee Benefits	\$550		\$550
4	4000	Supplies & Materials		\$5,000	\$5,000
5	5000	Other Operating Expenses & Services	\$5,000		\$5,000
6	6000	Capital Outlay		\$10,000	\$10,000
7	7000	Other Outgoing			\$0
		Total Expenditures	\$10,550	\$15,000	\$25,550

Program Expansion/Industry Engagement

- 1) FTF Add'l Pay- Development of a Facility Management Certificate and Degree- SWF ECU Sector Support- FACILITY MANAGEMENT- SWF Task Force Recomm.-#1,#2, #3, #7, #8, #10
- 2) FTF Add'l Pay/ Release Time- Development and oversight of NORCAL Facility Management Talent Pipeline Internship to Career Pathway Program- SWF ECU Sector Support- FACILITY MANAGEMENT- SWF Task Force Recomm- #1, #2, #3, #4, #5, #6, #7, #8, #9, #10,#17, #18, #20, #21

Professional Development - Site visits to other CCC programs and training opportunities and conferences offered by the IFMA

Instructional Equipment-

- 3) Lab Equipment for new ES 78B Energy Management Systems and Controls class- SWP Task Force Recomm.#1, #2, #4, #6,#7,

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FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: Foothill-De Anza CCD/De Anza

Industry Sector: Energy, Construction and Utilities

TOP Code: 0946.10

Proposal Title: NorCal Facility Management Talent Pipeline

Proposal Summary: Provide a brief description of the proposal.

The proposal provides oversight and management of a State CCC Career Pathway program. The Foundation for California Community Colleges have negotiated a statewide license to offer International Facility Management Association (IFMA)-developed training for entry-level Facility Managers. The FM Cert/Degree program will prepare CCC students for sustainable careers. CCCs have promised in excess of 6,000 FM candidates from over 20 CCCs. Median wages for Facility Managers are in the \$60K to \$80K range per IFMA estimates. Ideal candidates will have transferable skills in Accounting, Finance, Business Operations, Sustainable and Energy Efficient Buildings and EH&S. The participating employers are working through their HR departments to pre-plan interviews for paid internships for students completing this program. The end goal is employment for those who receive internships and successfully complete them.

Proposal Start and End Date (estimated):

Start: April 2017; End- Fall 2017

Proposal Rationale: What need does this proposal address?

The program provides student career pathways from CCCs into well paying jobs and increases in CTE program enrollment, program finishers, and student job placements

How Does This Proposal Address Regional Labor Market Needs?

The BACCC /ECU sector is driving a Facility Management Career Pathway program with the International Facility Management Association (IFMA). The program is focused on reducing a career gap of over 6,000 employees in the Facility Management Industry. The average age of practicing Facility Managers is 49 yrs. The FM industry needs an infusion of fresh, young talent. California Community Colleges will help. The program is designed to educate, prepare and provide paid internships for CCC students to close the identified FM employment gap. There is ongoing professional accreditation and certifications through IFMA for students who are hired into FM careers.

How Does This Proposal Address Regional Priorities?

De Anza College is offering the IFMA Essentials of Facility Management course in April, 2017 in partnership with the IFMA Silicon Valley Chapter and a number of major employers. Currently this Northern California "employer ecosystem" includes senior executives from CBRE, Jones Lang LaSalle, Ricoh, Facebook, SAP, AT&T, Oracle, GoPro, Infinera, Omnicell, Western Allied Mechanical, Service by Medallion, and the Building Owners and Management Association of California (BOMA). The ECU sector is also working with the California Department of General Services, which has dozens of Facility Management job openings around the state at any given time. Similar shortages exist in Facility Management ranks in

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REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: **Foothill-De Anza CCD/De Anza**

Industry Sector: **Advanced Transportation**

TOP Code: **0948.00**

Proposal Title: **Automotive Technology**

Strong Workforce Program (Enter dollar amount only - Rounded off to the nearest whole dollar)					
Line No.	Acct. Code	Object of Expenditure	Program Expansion/Industry Engagement	Instructional Equipment	TOTAL
1	1000	Instructional Salaries	\$2,500		\$2,500
2	2000	Non-Inst. Salaries			\$0
3	3000	Employee Benefits	\$250		\$250
4	4000	Supplies & Materials			\$0
5	5000	Other Operating Expenses & Services			\$0
6	6000	Capital Outlay		\$107,000	\$107,000
7	7000	Other Outgoing			\$0
Total Expenditures			\$2,750	\$107,000	\$109,750

Program Expansion/Industry Engagement

Instructional Equipment

Prioritized list follows

6000 a. ATech hybrid engine cutaway \$25,000

6000 b. Consulab CVT transmission cutaway, hybrid planetary set, and gear trainer \$15,000

6000 c. 2016 Ford C-Max Energi vehicle \$26,000

6000 d. Mitsubishi iMiEV vehicle \$ 25,000

6000 e. Midtronics battery analyzers \$10,000 (Can also be shared by all other auto tech classes)

6000 f. ATS emissions analyzer \$5,000 (Can also be shared with Engine Performance classes in the evening and day)

**Strong Workforce Program
REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: Foothill-De Anza CCD/De Anza

Industry Sector: Advanced Transportation

TOP Code: 0948.00

Proposal Title: Automotive Technology

Proposal Summary: Provide a brief description of the proposal.

This proposal is focused on upgrading our alternative fuels training program with the purchase of vehicles and equipment that our students are likely to see at work, as recommended by our advisory committee. Auto Tech will also attract new students from fleets, dealerships, and even first responders who have the need to understand alternative fuels vehicles.

Proposal Start and End Date (estimated):

Work has already begun in collaboration with BACCC in Regional Joint Ventures with no end date determined.

Proposal Rationale: What need does this proposal address?

Fleet and independent shops are servicing and repairing alternative fuels vehicles. Many of these technicians do not have a foundation in these emerging technologies. De Anza Auto Tech has the opportunity to provide education and training for technicians to safely service and repair these vehicles.

How Does This Proposal Address Regional Labor Market Needs?

The Centers of Excellence (<http://www.coecc.net>) has shown that the labor market in advanced transportation is under supplied. Auto Tech has the opportunity to expand its alternative fuels program to help students and technicians become better prepared for this demand.

How Does This Proposal Address Regional Priorities?

Auto Tech can continue to develop connections with industry representatives and other workforce development entities to more closely align alternative fuels instruction with regional labor needs. To this end, Auto Tech is participating in the Regional Joint Venture

**Strong Workforce Program
REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: **Foothill-De Anza CCD/De Anza**

Industry Sector: **ADVANCED MANUFACTURING**

TOP Code: **0956.00**

Proposal Title: **CNC 5th-Axis Training & Prof. Dev.**

Strong Workforce Program (Enter dollar amount only - Rounded off to the nearest whole dollar)					
Line No.	Acct. Code	Object of Expenditure	Program Expansion/Industry Engagement	Instructional Equipment	TOTAL
1	1000	Instructional Salaries	\$5,000		\$5,000
2	2000	Non-Inst. Salaries			\$0
3	3000	Employee Benefits	\$550		\$550
4	4000	Supplies & Materials			\$0
5	5000	Other Operating Expenses & Services	\$3,000		\$3,000
6	6000	Capital Outlay		\$177,000	\$177,000
7	7000	Other Outgoing			\$0
Total Expenditures			\$8,550	\$177,000	\$185,550

Program Expansion/Industry Engagement

The equipment would allow for expansion into more advanced areas of CNC machining. Individuals with skills in programming and operation of multi axis equipment are currently in high demand in the region.

Engage with our advisory committee to create multi-axis curriculum relevant to today's workforce, as well as future demands.

Professional Development De Anza DMT faculty will participate in industry-sponsored professional development in order master the use of the advanced 5-axis and live-tooling CNC lathes and machining centers.

Instructional Equipment

1) Haas Vertical Machining Center VF2SS (\$103,000) 2) Haas DM1 Drill/Mill Center (\$74,000)

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REGIONAL SHARE PROJECT REQUEST**

FY 2016-17

California Community Colleges
Career Education Practices Unit

District/College: Foothill-De Anza CCD/De Anza

Industry Sector: ADVANCED MANUFACTURING

TOP Code: 0956.00

Proposal Title: CNC 5th-Axis Training & Prof. Dev.

Proposal Summary: Provide a brief description of the proposal. NC 5th-Axis Training & Prof. Dev.

The CNC 5th axis regional project will consist of participating colleges advancing the equipment and curriculum to better meet the needs local industry. The project will focus on new students who world enter the workforce at a higher level and returning students who would combine their outside experience with advanced technology to increase their salary potential. The project has been well received by industry and machine tool suppliers who are excited to add their expertise to the project.

Proposal Start and End Date (estimated):

The project will begin immediately and continue throughout the length of the SWP project funding.

Proposal Rationale: What need does this proposal address?

The regional proposal addresses the need to meet the advanced manufacturing workforce. Industry is advancing faster than community college budgets allow. The regional money will allow the community college to acquire high tech equipment and create advanced curriculum that is needed for our local industry and economy.

How Does This Proposal Address Regional Labor Market Needs?

At this time there are several multi axis programming and set up jobs in the regions that are going unfilled. In order to keep the work in the region, we need to train both, new and returning students, to fill these jobs. Record sales of multi-axis machines gave been sold in the region and the number of people who cannot operate them is growing at an alarming pace.

How Does This Proposal Address Regional Priorities?

According to regional advisory committee, multi axis machining and mechanical inspection are two top priorities of their respective companies. Five axis automated equipment will allow the region to compete globally for years to come. But, without individuals with the skills to program and set up muti-axis machines, the region will not advance as fast as needed to meet