

Modesto Junior College
CTE Proposal Meeting

September 29, 2011

Ag Conference Room

8:30AM – 11:00AM

Present: Mark Anglin, Nancy Backlund, Melissa Beach, Maurice McKinnon, Pedro Mendez, John Sola, Mike Sundquist

1. CTE ADDITIONAL FUNDS DISCUSSION

A. Opening Discussion – Mark Anglin welcomed our CTE deans and staff and stated we need to start having quarterly or monthly CTE Dean Meetings, as we need to make more effort and concentration in assuring our expenses are in line with the CTE guidelines. He held discussion on the importance that CTE funded salary cannot continue. It's acceptable from time to time, but it cannot be a given that a salary will remain on CTE funding.

Melissa Beach shared information from her recent MIS Data Meeting regarding surveys and SAM Codes. She explained the importance of deans educating their faculty on the crucial need for the CTE survey data. We cannot rely on gathering the information from the online survey, as it's not mandatory for students to take it and we cannot assure that faculty are administering the survey. They must be educated on the importance of it and understanding that each qualifying survey brings approximately \$150 in CTE funds to the college. She reminded those present that in 2003, when she took time to educate faculty and deans on the importance of the survey and changed the way surveys were entered (Datatel data entry vs. scanning of surveys), the CTE grant doubled and has remained at that approximate amount ever since. The CTE grant used to bring \$500,000 to MJC, and now is approximately \$1,000,000. She mentioned that a faculty member recently stated that she knew her students were receiving special funding (ex: AFDC, Calworks, etc.) yet she saw that they replied "No" on survey and her guess was embarrassment. Faculty must take a moment to explain to students that the survey is completely confidential and data is entered for the State only and they must tell them the benefits we receive (ex: CTE equipment, supplies, professional development, field trips, books, etc.)

Another crucial component to CTE funding is the SAM coding of classes. Fear was shared at the MIS Data meeting that our SAM Codes might have been entered many years ago and entered incorrectly. When a recent report was done on all of our CTE classes, the majority were listed as SAM Code D and we may not receive funding for that. It is crucial that deans receive this SAM Code/CTE Course list, study it and make proper adjustments as needed.

B. Proposal Amount-The funds available for proposals at this time are \$182,542 and we will hold back the 10% (\$20,282.) 18 proposals were received (not including Tech Ed proposals of \$138,610, as they received the \$60,000 augmentation this year) for a total request of \$257,152 and those present chose to fund 17 of these for \$224,941. Including Tech Ed proposals, we received a total of 26 proposals totaling \$395,762 in CTE needs. However, Mark Anglin is choosing to hold off for now on 2 of his proposals to see how CTE funding goes. If some areas end up having extra funding left, he can then purchase the much needed Press Brake for \$33,950. Therefore, we funded \$190,990 for the CTE proposals. We will make it a priority if there are extra funds in Spring 2012 for funding Tech Ed proposals versus other projects. In total sum, despite receiving the \$60K this year, Tech Ed seems to have received the least amount of funds.

C. Unspent Funds 10-11 Discussion-Mark Anglin stressed the need to make sure all of your CTE funds are spent in a timely manner. We have known these deadlines for many years; you should have your purchases in your Local Applications (plans) and thus make those purchases in a timely fashion. There is no excuse for having leftover funds at year-end. Melissa Beach reminded everyone

that they can call College Administrative Services to receive Labor Distribution Reports which will show them exactly what their staff are being paid from CTE funding; therefore, they can calculate correctly. They need to keep an eye on their budgets, as things do change through the year. They also need to watch their open PO's for supplies and if those supplies aren't fully needed, they need to release those PO's and give the money back for re-allocation in another area, if they don't need it. **Mark Anglin announced the deadline for 11-12 CTE expenditures is 3/2/12.**

2. CTE ITEMS OF IMPORTANCE

A. Advisory Team-Community Members – Melissa Beach provided a handout of last year's CTE Local Planning Advisory Team and asked those present to make corrections, due to rified programs on members that should be deleted, whether internal or community members and to please provide the names and contacts of new members. Mark Anglin said, ideally we should have inside reps (faculty or program leads) for each CTE program and outside (community/industry) reps as well. Please email or send your corrections/additions to Melissa Beach as soon as possible, so she can begin planning and scheduling our March 2012 CTE Annual Advisory Local Planning Team meeting.

B. CTE Newsletter vs. Quarterly Report – Mark and Melissa reminded deans that she will still be requesting quarterly reports in regards to their CTE expenditures for the state reporting, (9/30, 12/31, 3/30 and 6/30) and she is now requesting additional information: announcements, pictures, program improvement information, etc., essentially anything they would like featured in our new quarterly newsletter which is posted on the new CTE website, emailed campus-wide and sent to our outside CTE Local Planning Team members. The state quarterly report is very limited in the wording area, but the newsletter can be much more explanatory and she would love to show off MJC's CTE programs!

3. Tech Ed-\$60,000 Plan for Use – Pedro Mendez provided a handout of pictures showing the purchases Tech Ed will make with the \$60,000 augmentation. They have purchased an industrial shear cutter for the Welding lab which has saved so much time and greatly expanded what their students are able to accomplish. They have added simulators to the programming part of Machining. They have 25-40 students in the Lab at one time and purchasing these additional simulators has allowed greater student participation. Lastly, they were finally able to pay off their Snap-On Alignment Equipment lease, therefore the equipment is theirs!

4. Announcements

A. Annual Advisory Local Planning Team Meeting-March 2012

B. CA Perkins (JSPAC) Conference, 12/6-12/7, Sacramento CA

C. 10/19-10/21/11 CCCAOE Fall Conference, San Diego CA, Westin Hotel

D. 3/21-3/23/12 CCCAOE Spring Conference, Millbrae CA, The Westin SF Hotel

5. CTE Proposals – Mark A. stressed the importance of completing the proposals with the proper rationale correctly if expecting to be funded. The form requires the following information: brief description, how request addresses the Local Plan, what Core Indicators are addressed, Advisory Team input, how this will assist them in meeting current programmatic needs or in new program development, what impact it will have on meeting the MJC strategic goals, anticipated outcomes assessment plan, feasibility of project completion and other. He added if any proposal criteria areas were left incomplete, before being funded, they need to be completed and resubmitted.

Those present shared their proposals and the following dollar amounts were distributed to each of the following programs (*see attached proposals grid*): Animal Science, Horticulture & Ag Welding-\$23,536; EMS-\$55,153; Medical Assisting-\$16,959; Registered Nursing-\$46,717; Certified Nursing Asst-\$3,500; Child Development-\$31,600 and Interior Design-\$2009 for a total of \$179,474.

Action Item:

- Make corrections/deletions & additions to CTE Local Planning Advisory Team list and send back to Melissa.

WHO: CTE Deans

WHAT: Make corrections/deletions & additions to CTE Local Planning Advisory Team list and send back to Melissa.

WHEN: 10/7/11

Action Item:

- Send SAM Code list with Section numbers for Deans to correct.
- Get account numbers from deans and prepare budget revisions for their purchases.

WHO: Melissa Beach

WHAT: Send SAM Code list with Section numbers for Deans to correct. Get account numbers from deans and prepare budget revisions for their purchases.

WHEN: 10/7/10

Action Item:

- Find correct allocation percentages per areas, make corrections.

WHO: Melissa Beach & Mark Anglin

WHAT: Find correct allocation percentages per areas, make corrections.

WHEN: 10/3/11

MEETING ADJOURNED

CTE Proposal Meeting Funded Proposals, 9/29/11

<u>Dept/Program</u>	<u>Dean</u>	<u>Proposal</u>	<u>Amount</u>
Ag-Animal Science-0102	Mark Anglin/ Julie Haynes	Mini X-ray Machine	\$3,282
Ag-Animal Science-0102	Mark Anglin/John Mendes	Swine Nursery Decks	\$18,500
Ag-Horticulture-0109	Mark Anglin/Gail Brumley	DocuCam	\$860
Ag-Horticulture-0109	Mark Anglin/Gail Brumley	Flower Stripping Machine	\$894
FCS-Child Development-1305	Maurice McKinnon/ Cheryl Williams-Jackson	Child Development Lab Project	\$31,600
ALHE-Medical Assisting-1208	Maurice McKinnon/ Shirley Buzbee	Tutoring in Medical Assisting	\$16,959
ALHE-Nursing-1230	Maurice McKinnon/Lisa Riggs	Support Techs	\$46,717
ALHE-Nursing-1230	Maurice McKinnon/Nursing	Nursing DVD's	\$3,500
FCS-Interior Design-1302	Maurice McKinnon/Ira Friedman	Tutoring for Interior Design	\$2,000
BBSS-Business-0501/0514	John Williams/Nancy Backlund/Nancy Sill	Business Retreat	\$1,425
BBSS-Business-0502	John Williams/Nancy Backlund	Supplemental Instruction	\$3,600
BBSS-Business-0502	John Williams/ Nancy Sill	10-Key Calculators	\$3,000
BBSS-Bus Admin-0502	John Williams/Linda Kropp	Screen &Projector	\$3,501
Fire Science-EMS-1250	John Sola	Bauer Compressor	\$46,982
Fire Science-EMS-1250	John Sola	Projector	\$3,721
Fire Science-EMS-1250	John Sola	Fire Hose	\$4,450
		Total	\$190,991

Name: Julie Haynes Division: Agriculture-Mini X-ray Machine

Program TOP Code: 010210

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ _____
 Medium (\$8,000-\$24,000) \$ _____
 Small (Below \$8,000) \$ 3281.52

Please provide the rationale for your proposal below.

Division Rank: 1

<p>Provide a brief description of your proposal.</p>	<p>Purchase of a 15mA portable x-ray machine. This machine allows for the exposure of x-rays in a field or classroom setting outside of a specified area. This not only allows for increased student exposure to modern radiology equipment, but also allows for more students to attain the skills necessary for diagnostic films.</p>	
<p>How does this request Address your local plan?</p>	<p>Part of the local plan involves the programs ability to update equipment in order to keep up with industry standards. This is exactly the purpose of this purchase. Staying current with industry standards and emerging technology is a major concern with all CTE programs and the vet tech program is no exception. By purchasing the Min x-ray unit we will be meeting or exceeding the industry standards in radiology for large and small animal practices.</p>	
<p>What core indicators are addressed?</p>	<p>This equipment addresses three core indicators including (1) skill attainment, (4) employment, and (5) training. By having equipment that is current and relevant to today's work environment, students will be better prepared in all three of these areas upon completion. Training our students with our current equipment does not prepare them for the required skills necessary in the job place. This training will improve employability and bring their skill level up to industry standards.</p>	
<p>Advisory Team Input</p>	<p>The advisory team deems this purchase as necessary and essential to maintaining the programs viability and sustainability in the current veterinary work place.</p>	
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>Current program needs include the ability to provide students with experiences that are going to be valuable and relevant to the current job market. Equipment such as this not only assist in providing those experiences but also in better preparing our students for specific skills in the area of radiology which is a core component to any veterinary practice. The program must maintain the ability to produce graduates with the skills and education necessary to be successful in the job market immediately upon graduation. This equipment will improve on our abilities to achieve that goal.</p>	
<p>What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10</p>	<p>The ability to provide quality, relevant teaching and services as stated in Goal 1 is directly related to the vet tech programs ability to provide students with the equipment that they will be expected to be familiar with in an industry setting. Radiology is a central service in all veterinary practices, having our students proficient in the current standards of that service is more than appropriate. We are fostering an environment of informed participation and budgetary understanding by purchasing a used but exceptionally well maintained unit that will provide excellent learning opportunities for our students without retail cost.</p>	
<p>What is the Anticipated Student Impact</p>	<p>By providing equipment such as this unit we are impacting the success rate and employability of our students to the local and statewide work force. Maintaining current standards not only in our education but also our skills training is what makes our program an asset to our students and the industry they serve.</p>	
<p>Feasibility of Project Completion</p>	<p>This machine will be put into use immediately as it already fits into the curriculum for several of the courses being offered in the Veterinary Technician Program.</p>	

Name: John Mendes Division: Agriculture-Swine Nursery Decks

Program TOP Code: 0102.00 2

<u>CTE \$\$ Amount Requested</u>	
Large (\$25,000 and above)	<u>\$</u>
Medium (\$8,000-\$24,000)	<u>\$15,000.00</u>
Small (Below \$8,000)	<u>\$</u>

\$18,500

Please provide the rationale for your proposal below.

Division Rank: 2

Provide a brief description of your proposal.	Purchase (8) swine nursery decks for the swine unit farm lab.
How does this request Address your local plan?	The local plan states the following: To every extent possible with the funding provided that issue will be addressed by upgrading some of the current Agriculture program equipment to accomplish this goal. Equipment purchases will be made on a priority basis in program areas that need the most upgrading due to the need to replace outdated, worn out equipment. It may also be used in areas where emerging technology requires the purchase of new equipment that is on the forefront of technology needed to stay current within the program area. This purchase will allow for the replacement of outdated equipment and update the swine instructional lab to meet today's industry standards. The new equipment will provide a better environment for the animals while providing our students an opportunity to utilize state of the art equipment.
What core indicators are addressed?	This will address two primary core indicators including (1) Technical Skill Attainment, (4) Employment. Persistence and Completion may also be enhanced.
Advisory Team Input	These nursery decks have has been listed in our program review plan for several years and our local advisory committee has approved the plan and supports its acquisition.
How will this assist you in meeting current programmatic needs or in new program development?	This piece of equipment will allow students to utilize current technology in the animal science industry. The new equipment will provide a high standard of sanitation (bio-security) and animal comfort. The student managers of the swine instructional lab will be able to maintain a higher level of animal herd health with the new equipment and students enrolled in the swine production courses will be exposed to and have the opportunity to develop their skills utilizing equipment found in today's modern swine production facilities.
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	The new technology will give our students the advantage to obtain skills that will make them competitive in today's job market. The MJC faculty and staff will also benefit from the opportunity to utilize this technology as part of the instructional curriculum.
What is the Anticipated Student	Students in the Animal Science program, the largest program in the Division, will have the opportunity to develop swine production skills and management practices that will directly correlate with current industry standards making

Impact	them more employable in the field.
Feasibility of Project Completion	This equipment will be purchased unassembled and will actually be assembled and the deck constructed by the Mechanized Agriculture program allowing those students the opportunity to expand their skill set and as well. The project should be completed by the beginning of the Spring Semester.
Other	This project is unique because it will benefit Animal Science program for many years to come while giving the Mechanized Agriculture students the opportunity to apply skills immediately through the construction and assembly of the equipment.

Name: Gail Brumley Division: Agriculture-DocuCam Program TOP Code: 0109.20 Date: Sept 23, 2011

4

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ _____
 Medium (\$8,000-\$24,000) \$ _____
 Small (Below \$8,000) \$ 859.64

Please provide the rationale for your proposal below.

Division Rank: 3

<p>Provide a brief description of your proposal.</p>	<p>Purchase a DocuCam..(6x optical zoom doc camera) to allow students to view floral lab demonstrations. – DC265</p>	
<p>How does this request Address your local plan?</p>	<p>The local plan states that one of our goals is to remain current with industry standards. The purchase of this DocuCam assures students optimal viewing of each lab demonstration utilizing proper and safe techniques. By being able to view every angle of the weekly lab activity, this allows the student to make and create proper designs. With these designs the students is staying current according today's industry standards</p>	
<p>What core indicators are addressed?</p>	<p>Core Indicator #2 (completions, degrees, certificates, transfer ready) will be addressed. When students have an opportunity to practice hand-on skills they are often motivated to complete classes and finish their degree programs. If the students are not able to view every angle of the lab demonstration the student does not have the necessary knowledge to complete his/her lab assignment successfully.</p>	
<p>Advisory Team Input</p>	<p>I have contacted people in the floral industry and it is strongly agreed, that the student must have an opportunity to be able to view the complete demonstration to the best of his/her ability in order to be successful.</p>	
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>A key in programmatic needs is to be current in industry. The multi-billion dollar floral industry requires constant awareness of current trends. This grant will allow the floral design program to ensure that all students have the opportunity to view what they need to be seeing, in order to be successful with their individual required designs.</p>	
<p>What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10</p>	<p>This grant is directly related to Strategic Goal #1; by improving student success rates by allowing the students the best opportunity to view the lab demonstration prior to their own participation in the lab assignment.</p>	
<p>What is the Anticipated Student Impact</p>	<p>Being able to utilize the DocuCam in the classroom during lab demonstrations will directly impact the students success rate. When a student has the ability to view clearly what is expected of him/her for a lab assignment, with greater success rates per lab, retention and completion rates will be accordingly.</p>	

**Feasibility of
Project Completion**

This is completely feasible... It is a simple "plug in" machine and there is room at the teaching station for it!

5

Other

Currently, the entire class tries to CRAM together near the teaching station to view the lab demonstration and see what will be required from them. In reality, very few are able to see!

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	<u>\$894.40</u>

Please provide the rationale for your proposal below.

Division Rank: 4

Provide a brief description of your proposal.	Purchase a Whiz Strip flower Stem Cleaning Machine. (and one set of Replacement Fingers)	
How does this request Address your local plan?	The local plan states that one of our goals is to remain current with industry stands and the purchase of this Flower Stem Stripper Machine does just that....	
What core indicators are addressed?	Core Indicator #2 (completions, degrees, certificates, transfer ready) will be addressed. When students have an opportunity to practice hand-on skills they are often motivated to complete classes and finish their degree programs. If the students are provided the tools in the classroom that are used in the industry they are better preferred to be successful in their careers.	
Advisory Team Input	I have contacted industry representatives at both the wholesale and retail levels and it is agreed that students should have the knowledge and be trained with the latest machines available in the industry.	
How will this assist you in meeting current programmatic needs or in new program development?	Staying current with the most up-to-date equipment in the floral industry. This grant will allow the Floral Design Program is be up to date and current with what is being used in industry	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	By providing the most current machines available it directly addresses Strategic Goal #1, by improving student success rates by allowing greater hands-on learning opportunities. Learning the current methods of processing flowers is part of the floral industry requirements	
What is the Anticipated Student Impact	This will directly impact students. Students will experience and operate this machine as is done in retail floral shops	
Feasibility of		

Project Completion

Very Feasible! It is a Stainless Steel machine with a 1/3 horsepower electric motor. Easy to set up!

Other

7

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ <u>33,950.00</u>
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ _____

Please provide the rationale for your proposal below.

Rank: 5

<p>Provide a brief description of your proposal.</p>	<p>Purchase a HELLER PRECISION PRESS BRAKE, MODEL PPB 8006</p>	
<p>How does this request Address your local plan?</p>	<p>The local plan states the following: To every extent possible with the funding provided that issue will be addressed by upgrading some of the current Agriculture program equipment to accomplish this goal. Equipment purchases will be made on a priority basis in program areas that need the most upgrading due to the need to replace outdated, worn out equipment. It may also be used in areas where emerging technology requires the purchase of new equipment that is on the forefront of technology needed to stay current within the program area. This brake will allow student to develop fabrication skills that are commonly used in industry, yet are not regularly seen in an educational setting which will give our students an edge in the work place.</p>	
<p>What core indicators are addressed?</p>	<p>The purchase of the press brake will help ensure student success. All core indicators associated with success, program completion, and retention will be strengthened by modernization of the agriculture shop and its equipment.</p>	
<p>Advisory Team Input</p>	<p>Advisory committees always feel that the classroom should mimic the workplace and that students should learn on equipment that they will encounter on the job. This brake will provide these opportunities.</p>	
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>The optimum goal is for the agriculture mechanics students to be exposed to all the equipment they may find in their future place of employment. Industry equipment acquisition moves at a very fast rate and it is difficult for education facilities to keep up. We are constantly looking for funding sources to better meet our equipment needs and the addition of this press brake will help the program continue to provide a relevant education.</p>	
<p>What impact will this have on meeting the MJC Strategic goals, especially goals 2-3-4-7.</p>	<p>Strategic Goal 1 – Students numbers and persistence rates will increase with a quality education that uses up to date and relevant equipment. Strategic Goal 2 – This request has been in the agriculture mechanics program review for the past several years Strategic Goal 3 – If granted, this equipment will make Student Learning Outcomes easier to obtain and measure Strategic Goal 4 – NA Strategic Goal 5 – Modernizing equipment provides not only greater quality but also increases safety through better safeguards and emissions. Strategic Goal 6- Partnerships with other organizations like K-12 programs is strengthened with the addition of equipment through greater interest in our program because of modernization.</p>	

Strategic Goal 7 – NA

Strategic Goal 8 – With modern equipment students are more desirable in the workforce for employment and internships.

Strategic Goal 9 – Students are more likely to participate in the competitive events here in the welding program if they are able to work with better equipment and obtain better results.

Strategic Goal 10 - NA

Anticipated outcomes assessment plan.	Student performance is easily measured in this situation. Quality of fabricated projects is easy to see and can be measured.	
Feasibility of Project Completion	Project will be easily completed and come ready to go. I already have the adequate electrical power in the shop to run this equipment.	
Other	None	

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ <u>32,212.00</u>
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ _____

Please provide the rationale for your proposal below.

Division Rank: 6

Provide a brief description of your proposal.	Purchase of a Fugi Computer Radiology machine. This machine allows for the development of x-rays in a field or classroom setting outside of a specified area. This not only allows for increased student exposure to modern radiology equipment, but also allows for more students to attain the skills they will need to process exposed films in a safe environment free from chemical exposure. <i>Digital in place</i>
How does this request Address your local plan?	Part of the local plan involves the programs ability to update equipment in order to keep up with industry standards. This is exactly the purpose of this purchase. Staying current with industry standards and emerging technology is a major concern with all CTE programs and the vet tech program is no exception. By purchasing the Fugi CR unit we will be meeting or exceeding the industry standards in radiology for large and small animal practices.
What core indicators are addressed?	This equipment addresses three core indicators including (1) skill attainment, (4) employment, and (5) training. By having equipment that is current and relevant to today's work environment, students will be better prepared in all three of these areas upon completion. Training our students with our current equipment does not prepare them for the required skills necessary in the job place. The developer is not only outdated but also difficult to maintain due to the chemicals required to process films. Using the CR will increase our student's employability and bring their radiology skill level up to industry standards.
Advisory Team Input	The advisory team deems this purchase as necessary and essential to maintaining the programs viability and sustainability in the current veterinary work place.
How will this assist you in meeting current programmatic needs or in new program development?	Current program needs include the ability to provide students with experiences that are going to be valuable and relevant to the current job market. Equipment such as this not only assist in providing those experiences but also in better preparing our students for specific skills in the area of radiology which is a core component to any veterinary practice. The program must maintain the ability to produce graduates with the skills and education necessary to be successful in the job market immediately upon graduation. This equipment will improve on our abilities to achieve that goal.
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	The ability to provide quality, relevant teaching and services as stated in Goal 1 is directly related to the vet tech programs ability to provide students with the equipment that they will be expected to be familiar with in an industry setting. Radiology is a central service in all veterinary practices, having our students proficient in the current standards of that service is more than appropriate. We are fostering an environment of informed participation and budgetary understanding by purchasing a used but exceptionally well maintained unit that will provide excellent learning opportunities for our students without retail cost.
What is the Anticipated Student Impact	By providing equipment such as this unit we are impacting the success rate and employability of our students to the local and statewide work force. Maintaining current standards not only in our education but also our skills training is what makes our program an asset to our students and the industry they serve.

**Feasibility of
Project Completion**

This machine will be put into use immediately as it already fits into the curriculum of several of the courses being offered in the Veterinary Technician Program.

11

Other

According to Laurence Shatkin, author of 150 Recession-Proof Jobs, published in November 2008 Registered Veterinary Technicians ranked 2nd on that list with Veterinarians ranked 4th. It is obvious that this is an occupation that does provide jobs for graduates and based on the fact that it is projected to grow another 41% over the next decade. This program will provide jobs well into the future.

Other

According to Laurence Shatkin, author of 150 Recession-Proof Jobs, published in November 2008 Registered Veterinary Technicians ranked 2nd on that list with Veterinarians ranked 4th. It is obvious that this is an occupation that does provide jobs for graduates and based on the fact that it is projected to grow another 41% over the next decade. This program will provide jobs well into the future.

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ 31,600
Medium (\$8,000-\$24,000)	\$
Small (Below \$8,000)	\$

must re-establish lab on campus using portable

13

Please provide the rationale for your proposal below.

Division Rank: 1

<p>Provide a brief description of your proposal.</p>	<p>This Child Development Infant/Toddler Lab Project proposes that funding be provided to create the On-Campus Infant/Toddler Instructional Laboratory for students to gain experience working with children (18 – 36 months) and the specific needs of the age group. The funding will be used to purchase materials needed to support the creation of the infant and toddler lab. It will also provide the funding for a child development specialist to support the faculty and students. This learning environment will provide students experiential learning to support their success in developing skills for working with children under the age of 36 months. (MJ Strategic Plan- Goal 2, Objective 2.4)</p>
<p>How does this request Address your local plan?</p>	<p>This request addresses Columns A and B for Section 135 (b), 7.1,7.2, 7.3, and 4.2 The local plan specifies a priority of meeting student success and program improvement. Funding will allow us to address both of these plans. This course supports student learning in working specifically with the special population of children under the age of 36 months. With the closure of the Wawona Center, we need to create a space for students to gain the practical experience for working with this age group. Teachers with knowledge and skills to work with infant and toddlers are in high demand. Many seasoned and experienced teachers and directors have returned to MJC to obtain new skills for working with this age group. The federal Head Start and California Department of Education require that teacher need to have at least 6 units of infant toddler course work for licensing or to work with a classroom for children under 3. Meeting the high demand for highly skilled teachers greatly assist us in maintaining our partnerships with other programs in our community.</p> <p>The local plan ask for highly structured and coordinated development process for education programming to support student identified needs. Teaching strategies for child development must offer experiential opportunities and the opportunity for students to observe children in various settings. This includes observing children over time to gain an understanding of the developmental process. The infant/toddler lab would offer students the opportunity to study children individual development and to study how children function in groups. The effectiveness of meeting these needs will be greatly enhanced.</p>
<p>What core indicators are addressed?</p>	<p>Core Indicator 1- skill attainment. The Child Development Infant/Toddler Lab Project will enhance student learning outcomes because it offers students the opportunity to have experiential experience to support understanding of theory and best practices. The project will also enhance many of the other child development courses by offering instructors the opportunity to utilize the space for observations and projects. The more experience student's gain in observing children, opportunity to study the environment, and gain hands-on, practical experience the more effective they will be in their career. This supports the lecture/lab indicator to provide hands-on training that will stimulate industry skill development.</p> <p>By enrolling in this lecture/lab course, students' will development skills for communicating with children and gain experience for working side by side with other teachers and parents. This would meet the goal of creating an effective</p>

learning environment for children, students, and parents. Students have the opportunity to gain experience working side-by-side with experienced interns and an instructor who is a WestEd/California Department of Education, Program for Infant and Toddler Care certified expert.

This project supports the requirement that students complete at minimum three units of practicum experience for graduation and to obtain their required state permit.

Part time and full time faculty are aware of the federal, state, and local demand for teachers to have knowledge and experience for working with children under the age of 36 months. We currently have two full-time, tenured faculty who are experts in this area. We also have five adjunct faculty who have obtain or are in the process of obtaining their WestEd/California Department of Education Program for Infant and Toddler Care certification. Each of these instructors has gained professional development to enhance our courses and ensure that we are meeting the competencies specified by our profession. With the new State of California Infant and Toddler Guidelines, three of the instructors have obtain professional training to integrate these new guidelines in the CLDDV 125 Infant and Toddler Care, CLDDV 122 Infant and Toddler Environments, and the CLDDV 127 Infant and Toddler Practicum courses.

<p>Advisory Team Input</p>	<p>This project will be addressed at the Fall 2011 Child Development Advisory meeting in October.</p>
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>An on-going statement in our program review specifically stated, “we are in immediate need of additional laboratory space to operate our Infant and Toddler Practicum.” The funding will allow us to purchase required material to create a quality infant and toddler laboratory.</p>
<p>What impact will this have on meeting the MJC Strategic goals, especially goals?</p>	<p>This project will impact the career options and the work experience of future infant and toddler teachers. The project will assist the community in expanding the number of directors and teachers with experience, knowledge, and teacher specialization in working with children under 36 months (<i>MJC Strategic Plan – Goal 8</i>).</p>
<p>What is the Anticipated Student Impact</p>	<p>The benefits of the practicum being on-site include management of the quality of the instructional environment, ease of students accessing the site and the closer proximity to other courses, collaboration with other instructors when appropriate, and on campus access to observation opportunities to meet the course requirements of other child development classes. We have maintained partnerships with various child care programs in the community, however in the past, due to budget problems a program in which we were collaborating with had an unexpected closure. When this happened the instructors had the time-consuming and difficult task of relocating the class, mid-semester, to ensure students had the optimal opportunity to complete the course successfully. Maintaining an on-campus laboratory for</p>

infants and toddlers will alleviate this problem in the future.

Feasibility of Project Completion

There is an immediate demand in Stanislaus County for teachers, mid-management directors, and administrators of children's programs, especially in the federal Head Start programs, to be educated in the care and nurturing of infants and toddlers. Early Head Start, the program that serves pregnant mothers and children from birth to 36 months, is growing rapidly in our area and employees are mandated to have at least six (6) units in infant and toddler coursework. The Child Development Instructional program (CLDDV) at MJC has diligently worked to meet this need for many years. The community and the students count on MJC Child Development Department to provide the necessary coursework and practical experiences to meet these demands. For these reasons, it is imperative that we work with the college to assure that the Child Development 127 practicum course continues on campus. Child Development (CLDDV) 127 is the student teaching (practicum) course for students to specialize in working with infants and toddlers. Our instructors are highly trained, even national experts, certified in this area of teaching.

This has been an important part of our program review and all child development faculty are in support of this project and willing to assist with the development and process for completion of this project. The goal is to begin offering the CLDDV 127 on-campus Spring 2012 and/or no later than Fall 2012. The opening will depend on funding to purchase necessary supplies and equipment. Prior approval has been obtained concerning funding from Child Development Training Consortium (CDTC) for some teaching materials. The donations of needed material from other sources will allow for greater possibilities for obtaining necessary supplies and materials. Because of the importance of the class to the community, the support by all child development faculty, and the support of funding from CDTC probability of completion is highly feasible.

Other

In the absence of the Wawona infant and toddler program, we are creating the instructional infant-toddler laboratory to continue the three-unit CLDDV 127 Infant and Toddler Practicum Lab class on campus.

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ <u>16,958.90</u>
Small (Below \$8,000)	\$ _____

Spring term only

Please provide the rationale for your proposal below.

Division Rank: 2

Provide a brief description of your proposal.	My proposal is to hire a mentor or tutor to assist students in lab portion of medical assisting courses. This would allow for a lower student ratio of 1:15. It is currently 1: 30. A lower ratio is expected to have a positive impact on student skills and retention.
How does this request Address your local plan?	This requests addresses Columns A and B, section 135 (c), 10.2; 10.4, 10.6 and 10.7 of the local plan.
What core indicators are addressed?	This proposal supports core indicators 1 – skill attainment, 2- completion, 3-persistence and 4- employment.
Advisory Team Input	During our spring 2011 advisory meeting, the advisory committee discussed identified concerns about entry-level skills and problems. Advisory team input –find strategies to improve entry level competencies to satisfy the need of the employer and preparation for the certification examination.
How will this assist you in meeting current programmatic needs or in new program development?	Providing tutoring and mentoring will improve student outcomes and enhance employment opportunity. The medical assisting program has many students who are first generation, second language and single parents. The mentor and tutoring is necessary component to retention and student success.
What impact will this have on meeting the MJC Strategic goals, especially goals?	This plan would impact strategic goal 1. MJC will continue to foster the success of all students by providing access to a broad array of quality, relevant teaching and learning programs, and appropriate services.
What is the Anticipated Student Impact	The anticipated impact on student would be retention of skills, which would lead to student success. Also for some students it would be opportunity for the first time in their life to successfully complete a program of study.
Feasibility of Project Completion	We would look at the outcomes and adjust the plan as needed
Other	

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ <u>46,716.80</u>
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ _____

(26 weeks)

Please provide the rationale for your proposal below.

Division Rank: 3

<p>Provide a brief description of your proposal.</p>	<p>Utilize four information systems support technicians at a part-time (50%) basis for 12 months to assist in the delivery of high fidelity simulations, and classroom technology in the new allied health building, Glacier Hall. Glacier Hall houses the most sophisticated technology in the YCCD. Technicians with specialized training are necessary to assist in the operation and delivery of classroom content in the large lecture rooms and in the laboratory setting. IT and media services are unable to meet the present needs of the allied health division (Associate Degree Nursing Program) in newly constructed classrooms and in the Human Patient Simulation Laboratory (HPSL).</p>
<p>How does this request Address your local plan?</p>	<p>This plan addresses Perkins CTE Act, section 135 (b) requirements in areas 1-7, and 10:11-13.</p>
<p>What core indicators are addressed?</p>	<p>Core Indicators are 1=Tech. Skill Attainment, and contributes to 2= Credential/Certificate/Degree</p>
<p>Advisory Team Input</p>	<p>The Advisory Committee is in support of this proposal. Advisory member Julie Klein from Sonora Regional Medical Center: " Will assist in delivery of content to distance education cohort and contribute to student success. Will allow for adequate video streaming and conferencing for all students. Will allow for archiving quality instruction that can be accessed by students to increase learning exposure and repetition of content. Will allow for hands on simulation in the HPSL with ability to debrief and review simulation activities in a safe environment. This type of advanced instruction has been researched and proven to increase learning and retention."</p>
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>We currently have one technician that assists in the large classroom. In the new Glacier Hall and with our distance education cohort moving from the Sonora site back to the Columbia campus, we will be broadcasting classrooms simultaneously. We presently have no additional tech support and the equipment is too sophisticated to be operated by untrained personnel. In addition, we have purchased state of the art technology for the HPSL and finally have the ability to fully utilize all aspects of simulation training however, need the additional tech support to make this goal come to fruition. Proper utilization of this equipment could assist us in meeting program needs and in new program development as evidenced by requirements 3,4,5,9,10:11-13 in Section 135 (b) of the 2011-2112 Perkins CTE Act.</p>
<p>What impact will this have on meeting the MJC Strategic goals,</p>	<p>Will assist in meeting Strategic Plan – Goal 1: MJC will continue to foster the success of all student by providing access to a broad array of quality, relevant teaching and learning programs and appropriate services; Goal 2: MJC will tie Program Review to resource allocation decisions: staffing, technology, instructional equipment and facilities; Goal</p>

especially goals?	6: MJC will expand and enhance outreach to business, industry and the community based on identified needs and opportunities; Goal 8: MJC will expand and enhance the learning environment and delivery options for students; and Goal 9: MJC will develop a plan to increase student engagement in order to improve overall student success. Utilizing technicians to assist in advanced technology to adequately deliver high quality instruction also coincides with the college's mission statement of offering innovative instruction, a comprehensive student-centered learning community and responding to the diverse needs of our students.	
What is the Anticipated Student Impact	Will positively impact all students in the allied health programs. Anticipated impact is decreased stress in the learning environment as students will increase time in simulation and practice difficult, invasive skills on a manikin rather than actual human patients. In addition, classroom learning will be delivered with better quality, items demonstrated will have better visualization due to technician operation and information will be archived for review and clarification.	
Feasibility of Project Completion	Begin Spring semester 2012 and end when funding is utilized – end of spring semester 2012.	
Other		

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ _____

Medium (\$8,000-\$24,000) \$ _____

Small (Below \$8,000) \$ 3,500.00**Please provide the rationale for your proposal below.****Division Rank: 4**

Provide a brief description of your proposal.	Would like to purchase a new DVD series for the Nursing Assistant course; the current video material is outdated, 2003. The DVD series will assist students with the achievement of course outcomes. This funding requests includes shipping costs.	
How does this request Address your local plan?	This request addresses Columns A and B, Section 135(b) 4.2 It is important to stay current, and maintain the integrity of the program, by upgrading outdated material.	
What core indicators are addressed?	Request addresses Core Indicators 1-skill attainment, 2-completion, 3-persistence and 4- employment.	
Advisory Team Input	Yes.	
How will this assist you in meeting current programmatic needs or in new program development?	Students have different learning styles. The DVD series will help to ensure that visual learn will have a greater chance of learning the skills. For the visual and auditory learner, seeing and hearing enhance the chance learning and retaining what has been taught.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	Strategic Goal 1: MJC will continue to foster the success of all students by providing access to a broad array of quality, relevant teaching and learning programs, and appropriate services.	
What is the Anticipated Student Impact	Students will learn the skills, and pass both the written and skills Red Cross Test and thus become certified by the State of California as Certified nursing Assistants and obtain gainful employment.	

**Feasibility of
Project Completion**

Would like to have DVD's available by Spring of 2012.

20

Other

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ <u>2,000.00</u>

Please provide the rationale for your proposal below.

Division Rank: 5

Provide a brief description of your proposal.	To enhance student success and retention of interior design students currently enrolled in our drafting course this semester, I am requesting funding that will be utilized to provide tutoring services. Funds will pay for a total of 240 hours for fall and spring semesters, 2011-2012	
How does this request Address your local plan?	This request supports the interior design CTE plan. Funds will be used to strengthen the academic, career and technical skills of students. Tutoring services will enhance the success of our underrepresented populations.	
What core indicators are addressed?	Core Indicators 1 (skill attainment), 2 (completion) 3 (persistence) and 5 (completion).	
Advisory Team Input	Yes, the Interior Design Advisory Committee is in support of providing needed services to students.	
How will this assist you in meeting current programmatic needs or in new program development?	The program does not have any prerequisite course requirements; therefore, many students enroll in courses and are underprepared and lack reading and math skills to effectively achieve student learning outcomes without additional support such as tutoring. The instructor spends extra time with needy students, but this is not enough.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	Strategic Goal 1: MJC will continue to foster the success of all students by providing access to a broad array of quality, relevant teaching and learning programs, and appropriate services.	
What is the Anticipated Student Impact	Expect students to be retained and succeed in the drafting course.	
Feasibility of	If funded, student success and retention are expected to show an increase.	

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ <u>1,425</u>

Please provide the rationale for your proposal below.

Division Rank: 1

<p>Provide a brief description of your proposal.</p>	<p>Two-day curriculum alignment and relevancy planning retreat for the Office Administration and Business areas within the Business, Behavioral, and Social Sciences Division.</p> <p>The OA and Business faculty and recent retirees (7) would like to go to an off-site location for a two-day planning session to review, update, and align courses and curriculum within our two areas. Recent mapping activities have shown some inconsistencies in our areas. We also have a need to possibly consolidate degrees and/or certificates according to SB 1440, and we need to look at C-ID numbering of courses.</p> <table border="0"> <tr> <td>Transportation</td> <td>\$200</td> </tr> <tr> <td>Food (7 @ \$75)</td> <td>\$525</td> </tr> <tr> <td>Facility</td> <td>\$600</td> </tr> <tr> <td>Miscellaneous</td> <td>\$100</td> </tr> </table>	Transportation	\$200	Food (7 @ \$75)	\$525	Facility	\$600	Miscellaneous	\$100	
Transportation	\$200									
Food (7 @ \$75)	\$525									
Facility	\$600									
Miscellaneous	\$100									
<p>How does this request Address your local plan?</p>	<p>This proposal would support the need for relevant curriculum, involvement in local industry, and student training in vocational areas. This cost is not currently covered in our local plan.</p>									
<p>What core indicators are addressed?</p>	<p>All core indicators will be addressed as we attempt to plan for higher skill attainment, more completions/certificates/degrees, persistence, higher employability, and a greater non-traditional participation and/or completion.</p>									
<p>Advisory Team Input</p>	<p>The advisory board has indicated the need for a broader skill set and the interest in additional courses to better prepare the students.</p>									
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>The curriculum and programs of our two areas need periodic review every five years. This planning opportunity would allow a more thorough review of courses and programs to best suit the needs of both students and industry.</p>									
<p>What impact will this have on</p>	<p>The proposal most directly involves Goals 1 and 4. Proper planning would foster the success of all students by providing relevant teaching and learning programs, as well appropriate services as stated in Goal 1.</p>									

meeting the MJC
Strategic goals,
especially the 2011-
12 prioritized goals:
1, 4, & 10

In Goal 2, the ability to grow as a team and enable professional development is emphasized. It is the intent of this planning session to accomplish these results.

**What is the
Anticipated Student
Impact**

Students will be better served by the potential course sequencing and relevancy of course topics. Transfer patterns will also be reviewed to enable more students to be successful in furthering their education.

**Feasibility of
Project Completion**

It is feasible to schedule this planning retreat during the fall 2011 semester.

Other

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ <u>3,600</u>

Please provide the rationale for your proposal below.

Division Rank: 2

<p>Provide a brief description of your proposal.</p>	<p>Provide for Supplemental Instruction in Accounting and Bookkeeping</p> <p>To provide funding to support supplemental instruction for accounting and bookkeeping courses. The Supplemental Instructor (SI) would be a current MJC student who is selected by faculty based on his or her performance in the actual course being tutored. The SI would attend an actual course in Financial Accounting or Bookkeeping I and then hold regular scheduled study/tutor hours where groups of students from multiple sections could be served.</p>	
<p>How does this request Address your local plan?</p>	<p>Accounting courses are very difficult for students and given the budget cuts that have occurred in the business administration lab, there is very little support for student tutoring and homework assistance. Supplemental Instructors would be able to assist multiple sections of each accounting course because the department uses the same textbook and resources consistently across sections. It is proposed that supplemental instruction would increase both the persistence and success rates of students taking accounting.</p>	
<p>What core indicators are addressed?</p>	<p>The core indicators that will be addressed by adding supplemental instruction to the Business Administration Department will be improvement in the area of core indicators 1-4; skill attainment, completion, and persistence. The foregoing success measures will also increase students' ability to gain employment in their direct area of education.</p>	
<p>Advisory Team Input</p>	<p>The advisory board has indicated that students need greater depth in their understanding of accounting as a comprehensive system.</p>	
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>The funding of student supplemental instruction tutors will have an immediate effect on student access for tutoring and support. Supplemental Instructors will have the ability to assist multiple students in an organized group setting where support is provided by a trained tutor as well as opportunities for peer-to-peer tutoring in a supportive environment.</p>	
<p>What impact will this have on meeting the MJC Strategic goals,</p>	<p>Supplemental Instruction aligns with MJC Strategic Goal 1 by increasing student support and persistence in accounting classes.</p>	

especially the 2011-12 prioritized goals: 1, 4, & 10

What is the Anticipated Student Impact

It is projected that the impact on student access to tutoring would be significant. One supplemental instructor could potentially provide access to multiple sections.

Feasibility of Project Completion

Although this project would take some coordination, it would be relatively easy to get established and monitor.

Other

It is proposed to hire two Supplemental Instructors (students) as a pilot project for Financial Accounting and Bookkeeping I. The hours were estimated based on a maximum of 10 hours per week per class. Upon assessment of the effectiveness of supplemental instruction for accounting and bookkeeping students, the department will pursue permanent funding options for future semesters.

Estimated required hours = 10 hrs per week x 15 weeks x 2 tutors = 300 hours

Estimated Costs = \$12/hour -(estimate includes employee and employer taxes) x 300 hrs = \$3,600

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ <u>3000</u>

Please provide the rationale for your proposal below.

Division Rank: 3

<p>Provide a brief description of your proposal.</p>	<p>Purchase 20 Monroe 8130 10-key Calculators</p> <p>Purchase 20 Monroe 8130 10-key calculators to replace aging equipment currently being used. A partial order of calculators was purchased last spring, but funding did not allow for the replacement of all calculators currently located in FH 133. If this order is approved, it would complete the replacement plan of the old calculators currently in use.</p>	
<p>How does this request Address your local plan?</p>	<p>It is important for student skill attainment and success to have equipment that is functional and in working order. It is not cost effective to send worn calculators to be refurbished.</p>	
<p>What core indicators are addressed?</p>	<p>The core indicators that will be addressed by replacing the remaining aging calculators are core indicators 1-4; skill attainment, completion, and persistence. Further, 10-key skills are vital to accountants in industry, thus competency in 10-key skills should assist in job attainment and reduce employer-training costs.</p>	
<p>Advisory Team Input</p>	<p>Our business advisory council consistently stresses core skill attainment for business and accounting students.</p>	
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>In order to maintain our Busad 300 - Machine Calculation class it is vital to have equipment that is reliable and in good working condition. It is detrimental to student skill attainment if students have to share calculators during valuable class time.</p>	
<p>What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10</p>	<p>Purchasing replacement calculators aligns with MJC Strategic Goal 1 by increasing student support and persistence in the Machine Calculation class.</p>	
<p>What is the Anticipated Student Impact</p>	<p>Replacement calculators are vital in terms of student success and achievement in learning 10-key skills that will be used in the workforce. The 10-key skills taught in Busad 300 replicate skills necessary and widely used within industry in both accounting and bookkeeping.</p>	

**Feasibility of
Project Completion**

If approved, calculators will be ordered immediately to ensure that the style and model match the replacements purchased last spring. It is critical to enhance student success that function keys are similar on all calculators for instruction purposes.

Other

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ _____
 Medium (\$8,000-\$24,000) \$ _____
 Small (Below \$8,000) \$ 2,501.25 3501

Please provide the rationale for your proposal below. Division Rank: 4

<p>Provide a brief description of your proposal.</p>	<p>To outfit FH lab 114 with teaching screen and projector.</p> <p>The FH 114 lab did not get outfitted with a projector or screen to allow for teaching during the evening hours when the open lab is closed. In the past, this lab (formally FH 152) was used in the evening for teaching and lab demonstrations as an overflow classroom.</p> <p>It is proposed that the projector in FH 116 be moved to FH 114 (the projector should have been installed in the FH 114 lab).</p> <p>Request of Materials: Projector mount: \$200 Wireless Video device: \$400 Screen: \$1700 Tax: \$201.25 Total: \$2,501.25</p>	
<p>How does this request Address your local plan?</p>	<p>This proposal allows for additional teaching space during high demand evening hours.</p>	
<p>What core indicators are addressed?</p>	<p>The core indicators that will be addressed by adding smart technology to the FH 114 lab will be improvement in the area of core indicators 1-3; skill attainment, completion, and persistence. Granting this proposal will increase student access and provide for increased teaching space for computer based classes.</p>	
<p>Advisory Team Input</p>		
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>The funding of this proposal will allow for additional computer based evening classes and labs to be offered.</p>	
<p>What impact will this have on</p>	<p>Outfitting the FH 114 lab as an additional teaching setting as it was previously, aligns with MJC Strategic Goal 1 by increasing student support and persistence in accounting, computer science, and computer graphics by providing</p>	

meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	additional teaching space during high demand evening time slots.	
What is the Anticipated Student Impact	Multiple classes will be able to be taught during the evening hours increasing the use and efficiency of the space.	
Feasibility of Project Completion	Installation can be done by the MJC tech staff.	
Other		

Name: John Sola

Division: Fire Science – Bauer Compressor Program TOP Code:1250 Date:9-26-2011

30

CTE \$\$ Amount Requested

Large (\$25,000 and above)	<u>\$46,981.99</u>
Medium (\$8,000-\$24,000)	<u>\$</u>
Small (Below \$8,000)	<u>\$</u>

Please provide the rationale for your proposal below.

Division Rank: 1

Provide a brief description of your proposal.	Bauer Compressor, Model: Unicus III/13H-E3, Working pressure: 6000 psi, with Electronic CO Monitor w/Calibration Kit, and 2 additional 6000 PSI ASME Air Storage Cylinders(Factory Installed). This includes Tax and Installation/Training, plus freight.
How does this request Address your local plan?	The Regional Fire Training Center provides training to EMS students and MJC firefighter students, also to active firefighter. The existing Bauer Compressor is 17 years old and Low pressure system, our area Fire department have switched to high pressure systems.
What core indicators are addressed?	Core Indicator 1-Academic and Vocation and technical skills, replacing a 17 year unit that does not have blast protector.
Advisory Team Input	Advisory team indicated the need to keep up to date with local agencies for training.
How will this assist you in meeting current programmatic needs or in new program development?	By having serviceable and up to date equipment we are better suited to give our students the keys needed for their success. Our program is dedicated to providing training that conforms to all safety standards and that is an complete and accurate representation of what the candidates will be doing when hired in the fire service. Also as our existing SCBA's are replaced(low pressure type), our students will be renting the High pressure systems.
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	This program meets many of Modesto Junior College's strategic goals, including ;2-4 Track and respond to work force trends.
What is the Anticipated Student Impact	In purchasing this equipment we will be able to meet the needs of our students, that will be using high pressure SCBA's next semester.
Feasibility of Project Completion	This is a straightforward project which is very feasible to install.
Other	

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	<u>\$3720.50</u>

Please provide the rationale for your proposal below.

Division Rank: 2

Provide a brief description of your proposal.	Purchase of 1 projector used for Power Point presentations in Fire Science and EMS classes. The projector will replace the 1 old projector, that are no longer compatible with new computers and power point material. Also be compatible with our other 2 projectors.	
How does this request Address your local plan?	The Regional Fire Training Center provides in service and pre-service training to fire fighters and MJC fire science and EMS students. The projector will integrate with the current technology.	
What core indicators are addressed?	(1) Technical Skills Attainment (2) Certificate/Degree Completion	
Advisory Team Input	The Regional Fire Training Center has an Advisory Committee consisting of three Career fire fighters and three volunteer fire fighters. They recommend the replacement of the out dated projector.	
How will this assist you in meeting current programmatic needs or in new program development?	The equipment will improve learning environment for all EMS/Fire Science classes. Our classrooms are used by the JPA partners for continuing education for career development.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	This program meets many of Modesto Junior College's strategic goals, including;2.4-Track and respond to economic and work force trends, 3.4-Provide activities to encourage increased student, staff, and community participation.	
What is the Anticipated Student Impact	This equipment enhances our instructor's lectures and we will be able to continue providing the highest level of fire fighter and EMS training to our students	
Feasibility of	This is straightforward project, which will be used by every class offered at the Training Center	

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	<u>\$4,450</u>

upgrade

Please provide the rationale for your proposal below.

Division Rank: 3

Provide a brief description of your proposal.	Municipal double jacketed fire hose, 600 feet of 1.75” hose, at a cost of \$1,693.00. Wildland fire hose 2000 feet at a cost of \$3257.00	
How does this request Address your local plan?	The Regional Fire Training Center provides in service and pre-service training to fire fighter. State Fire Training accredited Fire Academies are required to teach all types of firefighting i.e., wildland firefighting structure firefighting.	
What core indicators are addressed?	Core Indicator 1-Academic and Vocational and technical Skills proficiencies	
Advisory Team Input	The Regional Fire Training Center has and Advisory Committee consisting of three career firefighters and three volunteer firefighters.	
How will this assist you in meeting current programmatic needs or in new program development?	Our program is dedicated to providing training that conforms to all State Fire Training standards and that is an complete and accurate representation of what the candidates will be doing when hired in the fire service.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	This program meets many of Modesto Junior College’s strategic goals, including; 2.4-Track and respond to economic and work force trends,3.4-Provide activities to encourage increased students, staff, and community participation.	
What is the Anticipated Student Impact	By having serviceable fire hose on the apparatus we will be able to continue providing the highest level of firefighter training.	
Feasibility of Project Completion	This is a straightforward project which is very feasible to implement.	

Name: Jeff Weaver

Division: Technical Education-Machine Tool/CNC Mill Program TOP Code:

095630 Date:16 Sept.2011

33

CTE \$\$ Amount Requested

Large (\$25,000 and above)	<u>\$55,000.00</u>
Medium (\$8,000-\$24,000)	<u>\$</u>
Small (Below \$8,000)	<u>\$</u>

Please provide the rationale for your proposal below.

Division Rank: _____

<p>Provide a brief description of your proposal.</p>	<p>To purchase a small CNC machining center and required tooling to support the CNC programming classes that are currently held in Sierra 114. The items to be purchase are as follows: \$51,188.08 Haas OM-2A CNC Office Mill, Caster wheel set, and tool holder set (see attached quote) \$800.00 Estimated freight on above (All setup can be done by Jeff Weaver if shipped to Modesto) \$1,500.00 Milling vice, tool cabinet, hand tools, milling cutters, drills, collets, etc. \$1,500.00 Provide power to area where machine is to be used. \$54,988.08 Total cost of project</p>	
<p>How does this request Address your local plan?</p>	<p>The acquisition of a small Computer Numeric Controlled (CNC) Machining Center has been high on the list of needed equipment for the Machine Tool Technology program for many years. The inability of students to be able to actually run the programs that have been developed and make parts has limited the effective delivery of the curriculum for all of the CNC programming classes.</p>	
<p>What core indicators are addressed?</p>		
<p>Advisory Team Input</p>	<p>The acquisition of such a piece of equipment has been a topic of discussion at the regularly held Machine Tool Technology Advisory Committee meetings for the last three or four years. A number of times in the past Jeff Weaver has looked into and reported to the committee on the feasibility and purchase of a number of small units both new and used. The most recent was a ten year old "Light" machine currently at DeAnza College. The committee's concerns were generally focused in three areas: (1) Most small machines are PC driven and typically do not have the operator interface controls that are typical to equipment encountered in industry, (2) Many of the smaller machines fall into the "Hobby" category and often do not have the features, rigidity, and long term product support and useful lifespan, and (3) By purchasing a used machine the number of useful years that the machine will be of useable would be greatly reduced.</p>	
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>Currently, all of the CNC Machine Tool programming classes offered by MJC are held in the computer lab in Sierra 114 because access to a large number of computers is essential. The programs that students write in those classes are then input into a simulator that will verify the technical requirements of the program and graphically simulate the tool path movements on a screen. Simulation is a great tool when developing a program to produce parts, but it cannot detect all problems and does not produce a final product. The process is incomplete from both a programming as well as a production standpoint and also lacks the reward of having the results of one's labor in hand.</p>	

The machine that we wish to purchase is a full function machine that is specifically designed to be used in a clean office environment. It is very quiet and self contained, portable, uses single phase power, and can fit through a 30" door opening. The machine that is being requested is the same brand (Haas) as the primary training machines used in the Machine Tool lab and will have the same standard control system used by all of the machines that Haas produces. Haas is one of the largest machine tool manufacturers in the world and they are noted for their customer support. We currently have three Haas CNC machine tools, the first purchased 17 years ago, and they have given us excellent service. The Industrial Engineering Department at Cal Poly SLO purchased a number of these machines three years ago for use in a similar student applications and they have been very pleased with their performance. Jeff Weaver has been in contact with Martin Koch who uses these machines and has developed some innovative ways to better utilize the machines in their program.

What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10

This acquisition improved the student learning environment for CNC classes offered at MJC. It will provide a local mill to complement the 5 Simulators currently located on the lab providing a more interactive learning environment. This enhances to SB 114 into a lab where programming, simulator testing and production can happen anticipates impacting SP Goals 1.1, 1.2, 1.3 and 1.6.

What is the Anticipated Student Impact

It is anticipated that student interest, enrollment, and completion rates will improve as the courses effected will have greater relevancy to the needs of the workplace. The goals of the programming classes will be fully achieved when the circle of design-programming-production is complete.

Feasibility of Project Completion

100% feasibility of project completion. 220VAC single phase power and compressed air will be needed at the machine location and are readily available in the lab adjacent to Sierra 114. Many of the students taking the programming classes have already been trained to use this type of machine, and once power is available, it will be put to use by qualified students immediately.

Other

The lack of a CNC machining center that is available to those students learning to program such machines has long been the weak point of the entire Machine Tool Technology program at Modesto Jr. College.

Name: Gerald Wray Division: Technical Education-Auto Tech/Cylinder Head Set Program TOP Code: 0948

35

CTE \$\$ Amount Requested

Large (\$25,000 and above)	<u>\$30,000</u>
Medium (\$8,000-\$24,000)	<u>\$</u>
Small (Below \$8,000)	<u>\$</u>

Please provide the rationale for your proposal below.

Division Rank: _____

Provide a brief description of your proposal.	Cylinder head seat and guide machine for use by students taking AUTEK 315. This machine would supplement the current machine and allow more hands on experiences for the students.	
How does this request Address your local plan?	The majority of automotive machine shop work today involves cylinder head repair on modern engines equipped with timing belts. This equipment utilizes the latest machining techniques current with industry standards.	
What core indicators are addressed?	This equipment would allow students a better practical experience and provide skills necessary to enhance employability in the engine repair field.	
Advisory Team Input	Our advisory team supports this proposal.	
How will this assist you in meeting current programmatic needs or in new program development?	This equipment will enhance the workshop experience for students taking AUTEK 315. The AUTEK 315 course is a 4 unit elective in both our certificate and degree programs. It traditionally attracts very good enrollment and allows students a valuable learning experience and an introduction to the engine repair side of the automotive industry.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	Purchasing this equipment will help to address Goal 1, (1.2 Improve student persistence rates) by providing a quality experience for the students taking this class and training them to use up to date equipment.	
What is the Anticipated Student Impact	Students would get to learn on a modern piece of equipment that is up to the current industry standard.	
Feasibility of Project Completion	This is a standalone machine that will not require any additional installation or operating expenses.	
Other		

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	\$ <u>1000</u>

Please provide the rationale for your proposal below.

Division Rank: _____

Provide a brief description of your proposal.	Headlamp alignment equipment for laboratory class use by AUTECH 369 students.	
How does this request Address your local plan?	The course outline for AUTECH 369 requires students to align headlamps. Current equipment is dated and does not equate to what is commonly used in industry.	
What core indicators are addressed?	This equipment would allow students a better practical experience and provide skills necessary to enhance employability in the automotive service industry.	
Advisory Team Input	Our advisory team supports this proposal.	
How will this assist you in meeting current programmatic needs or in new program development?	This equipment will enhance the workshop experience for students taking AUTECH 369. The AUTECH 369 course is a 4 unit elective in both our certificate and degree programs and requires this equipment to meet current course needs.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	Purchasing this equipment will help to address Goal 1, (1.2 Improve student persistence rates) by providing a quality experience for the students taking this class and training them to use up to date equipment.	
What is the Anticipated Student Impact	Students would get to learn on a modern piece of equipment that is up to the current industry standard.	
Feasibility of Project Completion	This is a standalone machine that will not require any additional installation or operating expenses.	

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	<u>\$2,000</u>

Please provide the rationale for your proposal below.

Division Rank: 1

Provide a brief description of your proposal.	Purchase ten laptop computers (small notebook versions).
How does this request Address your local plan?	It is important that our physical environment (facility, equipment, and instruction) provide constructive interaction and purposeful engagement with current and up to date technology that will foster learning and prepare students for the work force.
What core indicators are addressed?	All core indicators are addressed. In order to attract and maintain students they must be given a quality education utilizing the technology and equipment that is currently being used in the industry. All students will be required to master the techniques and be able to apply the skills prior to moving on to the next course or recommended to a potential employer by the automotive advisory team.
Advisory Team Input	Advisory members recommend this purchase.
How will this assist you in meeting current programmatic needs or in new program development?	The laptops will allow students to access information provider systems, estimating programs, shop management tools, and repair manuals.
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	Quality equipment can be costly and impact the programs budget. By having adequate resources and fostering student responsibility and efficient work habits, we will save money in the long run. Additionally, student retention will be increased and so will student satisfaction. Students want to attend classes that are teaching the current industry standards and provide the highest level of hands-on real world experience.
What is the	All Auto Body students will be more productive, organized and have professional equipment.

Anticipated Student Impact

Feasibility of Project Completion

If approved the laptops could be acquired in as little as ten working days and have no impact or down time for students.

Other

Several information providers have donated their data to the college.

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ _____
 Medium (\$8,000-\$24,000) \$ _____
 Small (Below \$8,000) \$5000

Please provide the rationale for your proposal below.

Division Rank: 1

<p>Provide a brief description of your proposal.</p>	<p>Purchase "Gearwrench" hand tool sets such as metric wrench's, sockets, pliers, screwdrivers, and panel remover kit's that would augment student tool carts, provide uniform equipment and allow for more organized, efficient laboratory demonstrations and student work activities.</p>
<p>How does this request Address your local plan?</p>	<p>It is important that our physical environment (facility, equipment, and instruction) provide constructive interaction and purposeful engagement with current and up to date technology that will foster learning and prepare students for the work force.</p>
<p>What core indicators are addressed?</p>	<p>All core indicators are addressed. In order to attract and maintain students they must be given a quality education utilizing the technology and equipment that is currently being used in the industry. All students will be required to master the techniques and be able to apply the skills prior to moving on to the next course or recommended to a potential employer by the automotive advisory team.</p>
<p>Advisory Team Input</p>	<p>Advisory members recommend this purchase.</p>
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>Tools can last decades if properly stored and secured from theft or loss. Additionally students would learn the responsibility of maintaining and accounting for their own tools which is standard within the automotive industry. The tool sets would reduce the amount of time lost by retrieving items from various locations within the lab area. It would foster student learning by requiring them to estimate the tools needed for the task and pre plan for the completion of the project.</p>
<p>What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10</p>	<p>Quality tools can be costly and impact the programs budget. By having adequate quality lifetime warranty tools and fostering student responsibility and efficient work habits, we will save money in the long run. Additionally, student retention will be increased and so will student satisfaction. Student's want to attend classes that are teaching the current industry standards and provides the highest level of hands-on real world experience.</p>

What is the Anticipated Student Impact

All Auto Body students will be more productive, organized and have professional tools.

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Feasibility of Project Completion

If approved the tool sets could be acquired in as little as five working days and have no impact or down time for students.

Other

"Gearwrench" offers an lifetime warranty and is made in the USA

Name: Jeff Beebe Division: Technical Education-Tool Storage

Program TOP Code: 0949

41

CTE \$\$ Amount Requested

Large (\$25,000 and above)	\$ _____
Medium (\$8,000-\$24,000)	\$ _____
Small (Below \$8,000)	<u>\$5073.71</u>

Please provide the rationale for your proposal below.

Division Rank: 1

<p>Provide a brief description of your proposal.</p>	<p>Purchase Snap-on industrial tool storage that would provide security for equipment and allow for more organized, efficient laboratory demonstrations and student work activities.</p>
<p>How does this request Address your local plan?</p>	<p>It is important that our physical environment (facility, equipment, and instruction) provide constructive interaction and purposeful engagement with current and up to date technology that will foster learning and prepare students for the work force.</p>
<p>What core indicators are addressed?</p>	<p>All core indicators are addressed. In order to attract and maintain students they must be given a quality education utilizing the technology and equipment that is currently being used in the industry. All students will be required to master the techniques and be able to apply the skills prior to moving on to the next course or recommended to a potential employer by the automotive advisory team.</p>
<p>Advisory Team Input</p>	<p>Advisory members recommend this purchase.</p>
<p>How will this assist you in meeting current programmatic needs or in new program development?</p>	<p>Tools can last decades if properly stored and secured from theft or loss. Additionally students would learn the responsibility of maintaining and accounting for their own tools which is standard within the automotive industry. The storage units would reduce the amount of time lost by retrieving items from various locations within the lab area. It would foster student learning by requiring them to estimate the tools needed for the task and pre plan for the completion of the project.</p>
<p>What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10</p>	<p>Quality tools can be costly and impact the programs budget. By having adequate secured storage and fostering student responsibility and efficient work habits, we will save money in the long run. Additionally, student retention will be increased and so will student satisfaction. Students want to attend classes that are teaching the current industry standards and provides the highest level of hands-on real world experience.</p>

What is the Anticipated Student Impact

All Auto Body students will be more productive, organized and have a professional tool storage area.

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Feasibility of Project Completion

If approved this system could be installed in as little as five working days and have no impact or down time for students.

Other

Snap-on tools have a lifetime warranty and are made in the USA

Name: Elizabeth Hondoy Division: Technical Education/WFTC-Truck Training program Program TOP Code: 095600 **43**

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ _____
 Medium (\$8,000-\$24,000) \$ _____
 Small (Below \$8,000) \$ 499.00 + Tax= 535.80

Please provide the rationale for your proposal below.

Division Rank: _____

Provide a brief description of your proposal.	Purchase JM Equipment non brand specific Industrial Truck Training Program. (CD-Video/Books/Instructor Manual)	
How does this request Address your local plan?	Enhance employment rates of students who will encounter the need to operate an industrial truck in the workplace after completing a training program in Technical Education.	
What core indicators are addressed?	The core indicator that are address are: core #1 skill attainment, core # 4 employment.	
Advisory Team Input	Consulted with Automotive faculty lead Gerald Wray and agreed that forklift skills are usefully in most technical fields.	
How will this assist you in meeting current programmatic needs or in new program development?	Training will increase offering of non-credit classes offered to community/students to address workforce readiness.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	This training will address MJC Strategic Goal # 1 to provide broad array of quality and relevant teaching and learning programs. Specifically 1.5 states a increasing offering across all disciplines and sites.	
What is the Anticipated Student Impact	Students will complete various programs with additional skills in Industrial Truck operations. Increasing the demand for students trained at Modesto Junior College – Technical Education.	
Feasibility of Project Completion	Industrial Truck Training program can be developed in a short time period with minimal costs. Program can be duplicated and used repeatedly.	

Other

Students will complete and OSHA compliant training that is valued by local industry employers.

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Name: Gerald Wray Division: Technical Education-Vehicle Fleet updates Program TOP Code: 0948 45

CTE \$\$ Amount Requested

Large (\$25,000 and above) \$ 40,000
 Medium (\$8,000-\$24,000) \$
 Small (Below \$8,000) \$

Please provide the rationale for your proposal below.

Division Rank: _____

Provide a brief description of your proposal.	Vehicle fleet updates.	
How does this request Address your local plan?	In order for completing students to understand the operation and diagnosis of vehicle systems and to transition successfully into jobs in the automotive industry they need to have been trained on functional vehicles.	
What core indicators are addressed?	Vehicle fleet updates would allow students a better practical experience and provide skills necessary to enhance employability in the automotive service industry.	
Advisory Team Input	Our advisory team supports this proposal.	
How will this assist you in meeting current programmatic needs or in new program development?	This update will enhance the workshop experience for all automotive students.	
What impact will this have on meeting the MJC Strategic goals, especially the 2011-12 prioritized goals: 1, 4, & 10	Purchasing this equipment will help to address Goal 1, (1.2 Improve student persistence rates) by providing a quality experience for all our automotive students and training them on up to date vehicles.	
What is the Anticipated Student Impact	Students would get to learn on a modern vehicles that have not been disassembled and assembled numerous times thus providing a more realistic diagnostic and repair environment.	
Feasibility of Project Completion	These updates will not require any additional installation or operating expenses.	
Other		

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CTE \$\$ Amount Request**Rank #2**

Brief Proposal Description	See attached Quote. The proposal and request for CTE funding is needed to replace the 4 existing welding that are underpowered and lack the technology to handle current welding procedures which require the use of large welding wire electrode.
Local Plan	In today's welding industry, wire feed welding is the primary welding technology. More and more projects, manufacturing, fabrication, and codes require the use of wire welding. More over, large wire electrodes are becoming commonplace. In order to adequately run these large wires, companies maintain a fleet of welding machines that produce large power out-put with advanced, electronic technologies. The welding machines listed in this estimate are the exact machines most of the local industries are using today.
Core Indicators	The overall performance of students working in the procedures that require the use of existing machines in the shop is below standard as students cannot reach their potential with machinery that is under powered and cannot properly run the procedures used in the industry. Moreover, as the equipment continues to age, optimum performance will continue to drop.
Advisory Team	At the advisory meeting of 5-21-08 the need to replace the equipment in question was discussed as one of the primary equipment needs (see meeting minutes) However, at that time the need to replace 8 smaller wire units that were causing too much down time because of break-downs took priority. However, all members attending agreed that the machines should be replaced as soon as possible.
Programmatic Need	Of course, in a welding training program, welding machines serve as the foundation for quality training. Wire feed welding technology is known as semi-automated welding. This means that the welding machines do as much of the work as the operators. Therefore, the need to have equipment that functions properly and produces the required power out-put with current technology is important. In addition, these machines are equipped with multi task technology which will create 4 additional SMAW and GTAW stations in the lab. Further explanation of the need of this equipment is explained in the current program review, (Technologies and Equipment) pg 16, questions #1,7.
Program Development	The replacement of this equipment is needed to improve the existing course lab activities. As it is now, each semester students must struggle with the equipment while trying to create welds that meet quality standards required in the industry. Moreover, the welders are over 25 years old and continue to deteriorate. This situation will only hamper program development rather than enhance it.
Student Impact	Currently students try to avoid activities that require the use of the welders in question. This is because to do the activities, the students must constantly adjust the power out-put of the equipment to achieve the equipment performance needed to complete the required welds and job sheets. Many of them become frustrated with the welders and quit using them and never complete all the exercises. The exercises they do complete are usually below standards.
Feasibility	As in most of the Technical Education programs, the battle to maintain quality equipment has become a critical issue as equipment is so costly. In the welding program, there are many needs to consider. Deciding which need gets the highest priority is the real gamble. Based on the training needs of the industry, the replacement of these welders is a top priority as of now.