

1. Assessment Plan - Four Column



PIE - Technology & Health: Welding Unit

Narrative Reporting Year

2018-19

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Program Planning Dialog: 2018-2019 represented a significant growth period for the Welding program. We replaced a retired full-time probationary faculty member with TWO new probationary full-time faculty members. The two new hires are previous adjunct faculty. Our program enrollment is at an all time high. We have consistently added sections to our course schedules, with requests for additional sections after the enrollment period opens. All of these new sections have filled. We find ourselves at a place where we are beyond the capacity of our facility during our evening sessions, typically offering three courses simultaneously. Now we are rapidly approaching the limit of our facility's capacity in our morning and our afternoon sessions as well. All of our full-time faculty members are teaching five classes, approaching our maximum teaching loads. Our adjunct faculty pool is also being stretched to near over-load. If our growth continues, we will run out of room to accommodate any additional students. We currently experience situations where we run out of work stations for our students and students are forced to pair up or wait for openings.

We are optimistic and enthusiastic about the future of our program and the opportunities and challenges that lay ahead of us in the next three to four years, as our new faculty progress through the probationary phase. Our tradition of being active participants in the wider Mt. SAC community, partnering with other programs such as the Art Department, Aircraft Maintenance and Air Conditioning programs, and with other parts of the college such as the School of Continuing Education, has presented us with numerous avenues to pursue the continued growth and success of our program.

External Conditions, Trends, or Impacts: 1. Increased enrollment and additional sections over Summer and Winter intersessions plus shared classes with Aircraft Maintenance and Air Conditioning programs creates greater need for welding consumables (contact tips, electrodes, gases, etc.). Mt. SAC Welding has added 11 sections to our yearly course offering schedule. Each class represents an average of 25 additional students. We have been operating on the same budget amount for the past seven years, in spite of our increased enrollment. We have run over budget at the end of the year for the past seven consecutive years.

2. Increased enrollment demand from students taking advantage of non-credit sections to repeat classes. This creates a further demand on our instructional supplies.

3. Policies of other non-instructional departments create obstacles for CTE programs, specifically artificially early deadline for purchasing makes it difficult to stock instructional supplies to last through summer sessions. Additionally, encumbering instructional funds by MARCH makes it difficult, sometimes impossible to allow for emergency repairs or equipment replacement. Administrators (deans, associate deans, managers, vice presidents) over-react to these situations. This practice is essentially gambling on the outcome of the next five months. This is as much an issue this year as in the past four years.

4. Practices of other non-instructional departments make it difficult to maintain accurate track of budget expenditures. Specifically, purchasing and accounts payable clerks wait until invoices are overdue before paying them, so we incur late fees, which diminishes the funds available to provide supplies for actual instruction. {This continues to be an issue.}

5. Overemphasis on reporting, planning, data input on the part of faculty, data research, in lieu of actual instruction. The amount of hours that must be dedicated to

attending training sessions for software applications that facilitate this reporting, the actual reporting, the researching of data to justify and support the narrative of the reports all take away from time that could be focused on instruction and serving students. It makes little sense to have a "year end" report compiled and turned in prior to the actual end of the year. I do not understand why the program PIE deadline is not June 30th, as it always has been. This gave faculty and department chairs adequate opportunity to conclude the Spring semester, then reflect and accurately report.

6. Arbitrary development of measurement matrices and rubrics by administrators and managers which somehow become mandatory, though not covered by the contract, have now become priority, resulting in negative evaluation comments. These artificial metrics are contributing to low morale among full-time faculty and especially among department chairs. {This remains an issue.}

7. Local and national economic conditions make it difficult to forecast growth potential in the Welding and Fabrication industry at large. Students are finding employment in certain industry segments, but not others. Difficult to forecast which industry segments are looking to hire our students. Unlike other programs, there are no single large employers of welders. Instead, our students seek to join trade unions and apprenticeship programs. The last two years have been boom years for construction and several students have successfully entered the work force. But it is difficult to forecast the duration of the current boom.

8. Employers in the industry are demanding a broader range of skills in entry-level employees. (This continues to be an issue that affects our program.)

9. Student project material (stainless steel as well as pipe and tubing) needs for the program are not being met by donations. It is becoming necessary to purchase these materials from instructional supply budget. (Refer to item #1 above, the Welding program continues to struggle to operate on the same budget amount from six years ago, in spite of our increased enrollment.)

10. Increased needs for a greater diversity of industry certifications (pipe welding certifications, and reinforcing steel - rebar - for example.) However, this increased interest has not developed into a definite increased demand.

11. Seismic Welding Certification standards will be enforced within Los Angeles County, by the Los Angeles City Department of Building & Safety, requiring additional certifications for welding students.

12. Difficulty in recruiting qualified adjunct faculty members. Very difficult to find applicants with both adequate industry experience AND adequate education. Furthermore, as our morning and afternoon section offerings grow, we are relying on our full-time faculty to staff those classes. Our adjunct faculty are employed in industry and are typically unavailable for daytime assignments.

13. Increased difficulty in recruiting new industry partners for participation in program advisory committee. And once recruited, potential industry partners are scared away by the amount of non-value added activities associated with the commitment to participating as industry advisors. Overall difficulty getting those committed advisors to attend advisory meetings! Advisors commit to attend our advisory meetings, but then are pre-empted or diverted by the demands of their jobs or businesses.

14. There is no explicit commitment to recognizing student employment, or advancement in employment, as a measure of student success. Current student success metrics only focus on degree and certificate completions and university transfers. This leaves CTE programs, who serve these student populations, vulnerable to cut-backs, take-overs, re-organizations or elimination by others with neither experience or appreciation of the value of CTE programs.

15. "Block Scheduling" has upset our course scheduling. The revised course meeting times have created confusion for students and adjunct faculty. The new course hours create difficulties keeping students out of the shop during breaks between class meetings. We have received no support from our division office staff or administrators to exempt the welding program from these new class hour requirements. Students and staff sometimes have only five or ten minutes between four-hour classes to eat, use the restroom, or in the case of faculty, prepare for their next class. This block scheduling times also creates difficulty for scheduling times for department meetings.

16. Exterior lighting and security/safety lights around the facility need maintenance and rescheduling of the timers. Lights come on well after dark in the evening. There are several dark places around the exterior of the welding lab during evening instruction sessions.
17. Interior lighting in the weld shop is dimmed and less effective due to dust and debris collecting around the light fixtures.
18. Exterior gates pose a security threat. Students and staff have noted the ease with which a person can gain unauthorized access to the exterior areas of the welding lab.
19. College MIS system has incorrect certificate numbers and welding majors. We need to clean up the information in the system so that we are able to capture accurate data regarding certificate completions for our program and our students.

Internal Conditions, Trends, or Impacts : 1. Upturn in enrollment is good for the program, but it places a strain on limited resources. (Spring2019 is our absolute HIGHEST ENROLLMENT in the history of Mt. SAC Welding: 540 students combined credit and non-credit enrollment on the census day, but no corresponding increase to our operating budget.)

2. Spanish speaking students require additional instructor-attention to remediate for terminology and safety issues, project descriptions.
3. Students are wasting instructional supplies. Electrodes are being discarded before being completely used. Donated material is being hoarded by students.
4. Finally hired a night-time, part-time equipment technician. Randy Montes is tremendous asset to the program.
5. Limited space has required the program faculty to be flexible re: scheduling of classes including use of week-ends, etc.
6. Increased numbers of students pursuing certifications. We have set three consecutive annual records for certification completions. This means additional work for our current Lab Technician, Famm Doangchampa.
7. Need to control and limit student enrollment in Community Education sections.
8. Students using Community Education sections to circumvent course repetition restrictions.
9. Expansion of certification of students for City of LA has necessitated greater man-hours for running of testing facility.
10. Continued high enrollment and high numbers of students unable to enroll due to full classes indicates need for additional weld class sections.
11. Ongoing high enrollment in evening sections has reached maximum capacity of welding lab. There is no more room for additional night sections during Fall and Spring semesters. We need to expand the teaching capacity of our lab if we intend to continue growing.
12. Extreme high student demand for additional sections during Summer and Winter sessions.
- 13.. Need to recruit additional adjunct faculty members for adjunct pool.
14. Need to re-evaluate total units for each of the welding certificates to improve numbers of certificates completed and awarded.

15. Advisory committee recommended development of Fabrication Technology certificate.
16. Increased course offerings through Summer and Winter sessions creates need for more instructional supplies. Especially difficult to adequately supply our summer session since the college budget spending deadline is closed off in March!! That leaves us four our five months worth of teaching time for which we are potentially underfunded!!
17. Internal program focus on student employment conflicts with college focus on degree and certificate completions and university transfers.
18. Administrative focus on "metrics" and "outcomes" creating a greater work load for department chairs, faculty and staff, taking time away from teaching and serving student needs.
19. Existing equipment, specifically welding power supplies, showing wear and tear as they reach the end of their service life. We have replaced 5 GTAW power supplies, but an additional 5 GTAW power supplies have required constant maintenance and repair over the past year. Recommend replacing these power supplies.
20. Newly hired pair of full-time faculty have created opportunity for immense and sudden growth for the welding program.
21. There is so much opportunity for growth and development of the welding program, new leadership in the division office might make the pursuit of these opportunities an attainable goal.
22. With the arrival of our night-time equipment tech, we see just how great the need was because his time is spent repairing equipment and processing and preparing materials for students. We now see a need for student workers in the tool crib, specifically for handing out tools and supplies to students.
23. Transition challenge for the department chair to adapt to a larger faculty population in the welding program. We are no longer a department of one. Our two new hires were previous adjunct faculty. All of us need to adapt to new roles and responsibilities.
24. Three existing Shielded Metal Arc Welding (SMAW) power supplies have been identified as being underpowered and well beyond their service life. They are hold-overs from our old facility and are well over twenty years old. We need to replace these three with newer SMAW welding power supplies.
25. Need to continue exploring the creation of a "Director" or "Program Coordinator" position to create more release time for the department chair to focus on industry partnership, curriculum development and overall program growth. The topic was broached with the division, but was immediately dismissed without any discussion or consideration.
26. We as a department have identified the need to implement some prerequisites on our existing course curricula to better control our enrollment and guide students to complete certificates and degrees.
27. We as a department have also identified strategies to streamline the required courses for each of our certificates, making it easier for our students to complete their chosen course of study.
28. We as a department recognize the opportunity to re-write and re-invigorate our previously dormant Automotive Welding certificate.
29. By hiring Raul Tapia as a full-time faculty member, we lost our ability to assign him to teach our non-credit ESL welding class. We need to identify a new adjunct faculty member to teach this class.

30. We need to explore options to expand the capacity of our teaching lab, such as extending the exterior awning at the south side of our lab. This would give us the capacity to add classes and students.

31. We have suffered from a long-term neglect of maintenance and repairs to equipment in our shop. Our repair budget is woefully inadequate and has not increased for several years. Spring 2019 semester resulted in several pieces of equipment failing due to age and excessive use.

32. Primary welding equipment in our facility has reached the end of its service life. The two racks of six power supplies have begun failing. One rack has required replacement of three supplies so far, with one more currently out of commission. The other rack of six is beginning to fail.

33. We have other pieces of less vital equipment that are also in need of repair, such as our electric furnace and tensile tester. We would benefit greatly from having additional repair funds to bring this equipment back on line to support our students.

34. Welding power supplies that we use for Air Carbon Arc Gouging and Flux Cored Arc Welding have broken during this past semester. We rely on these pieces of equipment on a regular basis and we will need to have them repaired as well, as quickly as possible.

Critical Decisions Made by Unit: 1. Growth in enrollment, course offerings and the additional full-time faculty members have led to greater teaching loads, especially for probationary faculty. All of our full-time faculty, even our two new probationary faculty members, have taught five classes this past Spring semester.

2. Increased course offerings, welding courses that support other Mt. SAC programs as well as increased instructional supply costs once again led to budget shortages at the end of the year. We have had to opt to use funds from our Welding Certification Testing fees fund to cover the budget shortage.

3. Department is exploring options to expand our course offerings. We have begun offering multiple sections of impacted courses that are offered only once per year (WELD 80 and WELD 81). We will begin offering these courses each semester, beginning Fall 2019.

4. Serious discussions and planning have begun towards implementing the proposed Fabrication Technology certificate program. Steve James and I have begun making course and certificate proposals in WebCMS. We will likely miss the deadline for May 2019, but we intend to work on this project over the upcoming summer.

Notable Achievements for Theme A: To Advance Academic Excellence and Student Achievement: 1. Maintained a significant pass rate for students completing both written and practical welding certifications. Since our PIE report is due in the middle of week 14 instead of the end of the year, it is difficult to report the total certifications for this year.

2. Our students continue to score well on the L.A. City Department of Building and Safety written exam for Structural Steel Welder Certification. Students have scored as high as 90% on the written exam thus far.

3. Non-traditional student participation and persistence (female students) continue to increase.

4. Mt. SAC Welding has added a total of 12 sections of welding classes to our annual class offerings. Each section averages 25 students so we are increasing our capacity to serve our students. Our Spring 2019 enrollment is the absolute highest in the entire history of the Mt. SAC Welding program!! 540 students combined between credit and non-credit students.

Notable Achievements for Theme B: To Support Student Access and Success: 1. Several Mt. SAC Welding students have gained employment this year. Also several students have been promoted or received significant wage increases as a result of completing courses or licensing tests with us here. Our students have been hired as apprentices in the Local 433 Ironworkers Union, the UA 250 Steamfitters, The Sheetmetal Workers Union, The Glaziers' Union and the Elevator Mechanics' Union.

2. Of the three female graduates from last June, all three are employed!! Jazmyn Mares is now a Boilermaker. Claudia Pena and Jennie Garcia are both apprentice electricians. And also of note, Jennie Garcia is working on the construction of the new Hilmer Lodge Stadium, here at Mt. SAC!!

3. We continue to leverage Social Media (Instagram in particular: @mt_sac_welding) to maintain contact with our current students, potential students as well as our students who are now working in industry.

4. Mt. SAC Welding continues to partner with the Duarte Unified School District, Duarte High School, Delafield Mfg., The Southern California Gas Company, and Mt. SAC's Continuing Education division to prepare and offer a 4-week, 60 hour "Welding Boot Camp" to Duarte High School students at Duarte High School. The course was offered through the Continuing Ed division and students who attended were enrolled as Mt. SAC students for the four weeks of the class. The class will be taught by Mt. SAC Welding alumnus, Randy Montes. Randy is also our evening lab technician.

5. As a result of the success of the Welding Bootcamp, Duarte High School is now in the process of adding a dedicated welding facility to their campus!

Notable Achievements for Theme C: Secure Human, Technological, & Financial Resources: 1. Applied for and received funding from Perkins Grant for the upcoming '19-'20 academic year to purchase the bulk-liquid argon vessel which we have been leasing. This purchase will give us to competitively bid the contract to supply our liquid argon on an annual basis instead of being tied to the leasor.
 2. Hired a night-time, part-time lab technician to support our evening sessions, with the help of Strong Workforce funds.
 3. Replaced our worn-out hydraulic shear, as result of Perkins funding.

Notable Achievements for Theme D: To Foster an Atmosphere of Cooperation and Collaboration: 1. Renewed the training partnership for Welding training with the Metropolitan Water District. Apprentices from the MWD attended classes at Mt. SAC Welding for at total of 12 days. They met here two or three days per month from January to May. We have lost the Machine Shop training as a result of lack of cooperation from the staff and faculty in Mt. SAC's manufacturing and IDE programs.
 2. We have supported the Mountie Maker Space project by referring students to their facility as well as donating unused equipment to the Maker Space. We see many potential opportunities for collaboration with the Maker Space!!

Contributors to the Report: Dan Garcia - Mt. SAC Welding Department Chair
 John Kuchta - Probationary faculty, Welding
 Raul Tapia - Probationary faculty, Welding
 Famm Douangchampa - Mt. SAC Welding Equipment Technician

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
<p>Improve certification test results - Use feedback from LADBS test proctors to focus student test preparation activities prior to taking the L.A. City Department of Building and Safety written exam for Structural Steel Welder certification. Status: Active Goal Year(s): 2018-19, 2019-20, 2020-21 Date Goal Entered (Optional): 09/01/2016</p>	<p>Request - No Funding Requested - Debrief with students taking written exams and communicate with L.A. City deputy inspectors who proctor the written exams for feedback Lead: Dan Garcia What would success look like and how would you measure it?: Increased average test scores; Increased percentage of students who pass the written exam Planning Unit Priority: High Documentation Attached?: No</p> <hr/> <p>Request - No Funding Requested - SPOT training and certification Describe Plans & Activities Supported (Justification of Need): Explore the possibility of creating a Distance Learning or composite section for our WELD 70C - Certification for Welders class where the lecture component can be done online with the lab component</p>	<p>Reporting Year: 2016-17 % Completed: 75 An obstacle was raised to meeting this goal: LADBS no longer offers the written exam at remote locations. Whereas, in previous years LADBS would send deputy inspectors to Mt. SAC's campus and host the written exam here on site, now the test is being offered exclusively at LADBS headquarters on Figueroa Avenue in downtown Los Angeles. Now students have to apply by mail and wait for a test date appointment to go down to LADBS to take the written exam. (07/10/2017)</p>

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completed at Mt. SAC Welding.
Lead: Dan Garcia - Welding Department Chair
 John Kuchta - probationary welding faculty
What would success look like and how would you measure it?:
 Development of Distance Learning course in WebCMS and eventual inclusion in the course schedule.
Type of Request: PROFESSIONAL & ORGANIZATION DEVELOPMENT (POD): Requests that provide professional learning opportunities for Mt. SAC employees.
Planning Unit Priority: Medium
Documentation Attached?: No

<p>Serving Spanish Language students - Create curriculum aimed at assisting Spanish speaking students to persist in and complete the Welding program. Status: Active Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21 Date Goal Entered (Optional): 09/01/2016</p>	<p>Request - Full Funding Requested - We need to identify and recruit a new adjunct faculty member to teach the ESL/VSL Welding class Describe Plans & Activities Supported (Justification of Need): Since we hired Raul Tapia as a probationary, full-time faculty member, his contractual teaching assignments have precluded him from teaching the non-credit ESL class. Lead: Dan Garcia - Department Chair Raul Tapia - probationary welding faculty What would success look like and how would you measure it?: Hiring a new adjunct faculty member to assign to this ESL/VSL WELD 40 - Introduction to Welding class. Type of Request: STAFFING: Requests for permanent employee positions or</p>	
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temporary/hourly employees.
Planning Unit Priority: High
Documentation Attached?: No

Maintain Mt. SAC Weld - Maintain the current reputation and strength of Mt. SAC Welding.
Status: Active
Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21
Date Goal Entered (Optional): 09/01/2016

Request - No Funding Requested - Expand course offerings for morning and afternoon welding classes. Develop additional advanced level course outlines.
Lead: Dan Garcia
What would success look like and how would you measure it?: Full enrollment of additional courses and sections; Increase in certificates and degrees completed by students; Increase in employment of students who complete certificates and degrees; Students employed in a wider range of industry segments
Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.
Planning Unit Priority: High
Documentation Attached?: No

Reporting Year: 2016-17
% Completed: 50
 Added sections of existing weld courses was moderately successful. Any new section that we added filled immediately. However, it is difficult to find staff available during the morning and afternoon hours. There are limits to the number of hours that full-time and adjunct faculty are available. It is difficult to find qualified adjunct faculty who are available during the morning and afternoon hours. We need to find time to develop new advanced-level welding classes and integrate them into our existing course schedule and certificates and degree. (07/10/2017)

Request - Full Funding Requested - Update and replace aging equipment in the weld lab (Sheet metal shear).
Describe Plans & Activities Supported (Justification of Need): Applied for Perkins funding for '18-'19. We were awarded the required funding so we are looking forward to making this purchase over Summer '18!!

Reporting Year: 2018-19
% Completed: 100
 New shear has been installed and is in daily use in our lab!! Come by and see it!! (05/15/2019)

Reporting Year: 2016-17
% Completed: 0
 Applied for Perkins funding, but decided to wait until next year for such a significant chunk of funding. We figured that we would be better served applying for smaller amounts

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	<p>Lead: Dan Garcia</p> <p>What would success look like and how would you measure it?: Purchase of new or suitable replacement for existing shear.</p> <p>Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.</p> <p>Planning Unit Priority: High</p> <p>Documentation Attached?: No</p> <p>One-Time Funding Requested (if applicable): 60000</p> <p>Request - No Funding Requested - Maintain the strength and reputation of Mt. SAC Welding among employers and industry representatives as well as current and future students.</p> <p>Lead: Dan Garcia</p> <p>What would success look like and how would you measure it?: Employment of our students; Feedback from our industry advisory committee</p> <p>Planning Unit Priority: High</p> <p>Documentation Attached?: No</p>	<p>and we were successful getting funding for two smaller purchases. (07/10/2017)</p>
	<p>Request - Full Funding Requested - Lab technician/Tool crib attendant</p> <p>Lead: Dan Garcia</p> <p>What would success look like and how would you measure it?: Instructional supplies will last longer and there will be less waste of materials. This position will help us</p>	<p>Reporting Year: 2017-18</p> <p>% Completed: 100</p> <p>We hired a part-time equipment technician to work our evening sessions. Randy Montes was hired to fill the position. He is a Marine Corps veteran and a Mt. SAC Welding alumnus. (05/29/2018)</p> <p>Reporting Year: 2016-17</p>

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	<p>out by maintaining close control over our inventory of instructional equipment and supplies. Planning Unit Priority: High Documentation Attached?: No One-Time Funding Requested (if applicable): 70000</p> <p>Request - Full Funding Requested - Update and replace ageing equipment in the weld lab (GTAW power supplies). Describe Plans & Activities Supported (Justification of Need): Instructional equipment funds; Perkins funds Lead: Dan Garcia What would success look like and how would you measure it?: Purchase and installation of new GTAW power supplies - the criteria for success will be when the new equipment is installed and serving our Mt. SAC Welding students. Planning Unit Priority: High Documentation Attached?: No One-Time Funding Requested (if applicable): 50000</p>	<p>% Completed: 50 So far, the position has been flown, applications have been received and I am waiting to see how the process proceeds. (07/10/2017)</p>
	<p>Request - Full Funding Requested - Storage container for course materials and equipment Lead: Dan Garcia Planning Unit Priority: High Documentation Attached?: No One-Time Funding Requested (if applicable): 15000</p>	
	<p>Request - Full Funding Requested - Purchase (3) engine-driven welding generator power supplies for students. Describe Plans & Activities</p>	

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Supported (Justification of Need):
 We will seek funding through instructional equipment requests, Perkins funding or Strong Workforce funds.
Lead: Dan Garcia
What would success look like and how would you measure it?: Success will be measured by the purchase and implementation of these machines into our WELD 70C, WELD 90A, WELD 80 and WELD 81 classes.
Planning Unit Priority: Medium
Documentation Attached?: No
One-Time Funding Requested (if applicable): 24000

<p>Update aging equipment - Mt. SAC Welding survived the California state budget crisis in part by forgoing scheduled maintenance, repairs and replacement of equipment. Now some of the neglected equipment is in urgent need of replacement Status: Active Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21 Date Goal Entered (Optional): 09/01/2016</p>	<p>Request - Full Funding Requested - Update equipment in the Welding lab (welding positioners). Describe Plans & Activities Supported (Justification of Need): We plan to request funds either through instructional equipment requests, through Perkins funding or possibly Strong Workforce funding. Lead: Dan Garcia What would success look like and how would you measure it?: Criteria for success will be when these positioners are available for use by Mt. SAC Welding students. Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program,</p>	<p>Reporting Year: 2018-19 % Completed: 50 Thanks to our cooperation with the School of Continuing Education, we received some lottery funds to purchase two additional positioners. We are now fifty percent complete with this goal!! These positioners support our WELD 81 and WELD 90A courses. (05/16/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 25 We were able to purchase one single positioner via our new equipment budget. However, in order to make the purchase within the restrictions of that budget, we had to purchase the positioner as individual components. As a result, we are missing a three-jaw chuck at the top of the positioner for holding the parts to be welded. We hope to be able to apply for Perkins funding this upcoming year to fully meet this goal. (05/29/2018)</p> <hr/> <p>Reporting Year: 2016-17 % Completed: 0 This was one of three items requested on our Perkins application for '16-'17, but it was not funded. We will see if we receive funding during the spend-down period in April</p>
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	<p>equal or over \$500. Planning Unit Priority: High Documentation Attached?: No One-Time Funding Requested (if applicable): 15000 Request - Full Funding Requested - Update and replace ageing equipment in the weld lab (GTAW power supplies). Describe Plans & Activities Supported (Justification of Need): Instructional equipment funds; Perkins funds Lead: Dan Garcia What would success look like and how would you measure it?: Purchase and installation of new GTAW power supplies - the criteria for success will be when the new equipment is installed and serving our Mt. SAC Welding students. Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500. Planning Unit Priority: High Documentation Attached?: No One-Time Funding Requested (if applicable): 50000</p>	<p>or May of '17. Otherwise, we will apply for funding again in '17-'18. (07/10/2017)</p>
	<p>Request - Full Funding Requested - Update and replace aging equipment in the weld lab (Sheet metal shear). Describe Plans & Activities Supported (Justification of Need): We have requested and have been</p>	<p>Reporting Year: 2018-19 % Completed: 100 COMPLETED!! Department Chair applied for Perkins Funding for the '18-'19 academic year and with the support of the dean of Tech & Health, Jemma Blake-Judd, we received full funding for this purchase. The shear was</p>

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	<p>awarded funding through Perkins for this purchase. We will be making this purchase over the summer!</p> <p>Lead: Dan Garcia</p> <p>What would success look like and how would you measure it?: Purchase of new or suitable replacement for existing shear.</p> <p>Planning Unit Priority: High</p> <p>Documentation Attached?: No</p> <p>One-Time Funding Requested (if applicable): 60000</p> <p>Request - Full Funding Requested - Three Shielded Metal Arc Welding (SMAW) power supplies to replace three existing, twenty year old power supplies.</p> <p>Describe Plans & Activities Supported (Justification of Need): We have identified three aging SMAW power supplies in our lab that are remnants from the old welding lab. These machines are underpowered are students are unable to use these machines to complete certain welding lab assignments.</p> <p>Lead: Dan Garcia</p> <p>What would success look like and how would you measure it?: Three new SMAW power supplies are purchased and installed.</p> <p>Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program,</p>	<p>ordered, delivered and installed on November 2, 2018!! The installation included removal and disposal of our old shear. We downsized to an 8 foot capacity, and we all agree that this was a good choice. We wound up with a slightly smaller, but more efficient machine that leaves us with a bit more room to maneuver around under the covered awning. This was a success!! (04/15/2019)</p> <hr/> <p>Reporting Year: 2016-17</p> <p>% Completed: 0</p> <p>We decided to wait to apply for Perkins funding for this purchase until next year since this is a significant purchase. (07/10/2017)</p>

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equal or over \$500.
Planning Unit Priority: High
Documentation Attached?: No
One-Time Funding Requested (if applicable): 20000

Offer additional industry certifications - Mt. SAC Welding has historically offered three separate welding certification tests to students. In order to serve a wider array of industries and to give our students greater career opportunities and options, we need to investigate offering additional industry certifications
Status: Active
Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21
Date Goal Entered (Optional): 09/01/2016

Develop "Fabrication Technology" Certificate - Mt. SAC Welding can serve a wider array of industries and give our students greater career opportunities and options by developing an academic certificate in Fabrication Technology.
Status: Active
Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21
Date Goal Entered (Optional): 09/01/2016

Request - Full Funding Requested -
 Develop an interdisciplinary certificate in Metal Fabrication, as suggested and approved by advisory committee.
Lead: Dan Garcia, Steve
Planning Unit Priority: Medium
One-Time Funding Requested (if applicable): 320000

Request - Full Funding Requested -
 Purchase a 4-foot hydraulic press brake and bend tooling
Lead: Dan Garcia
What would success look like and how would you measure it?:
 Purchase and installation of this equipment and its incorporation in to welding courses.

Reporting Year: 2016-17
% Completed: 0
 Zero progress was made toward this goal this year. The limited time available to me was eaten up by other non-value added, non-instructional activities such as attending meetings, mandatory training sessions, reporting, data acquisition and research and filling out matrices and rubrics and grids. (07/10/2017)

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
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Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.
Planning Unit Priority: High
Documentation Attached?: No
One-Time Funding Requested (if applicable): 120000

<p>Create position: "Welding Program Director" - Create "Welding Program Director" position in order to create more release time for support of the Welding Department Chair. The current 1.5 LHE per semester for the welding department chair is barely enough time to attend to scheduling, adjunct evaluations, curriculum development and maintenance, and student support. There is not enough time to dedicate towards fostering and developing industry relations and partnerships, partnerships with other regional welding programs, partnerships with ROP and adult school welding programs. Status: Active Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21 Date Goal Entered (Optional): 05/31/2018</p>	<p>Request - Partial Funding Requested - 5 additional LHE release hours, minimum. Describe Plans & Activities Supported (Justification of Need): Additional LHE hours of release time would be used for: Industry partnership development for student employment, advisory participation, material donations. Additional time is required to maintain our testin license with L.A. City Department of Building and Safety. The additional LHE could be used to develop additional certification processes for our program. Also curriculum and program development activities: the concept of a Fabrication Technology certificate has been discussed for the past ten years, yet other activities always distract from that effort. Lead: Dan Garcia, Welding department chair What would success look like and</p>	
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<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
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how would you measure it?:
 Additional LHE of release time added to the Welding department chair position.
 Creation of the Welding Program Coordinator in the faculty contract.
Type of Request: STAFFING: Requests for permanent employee positions or temporary/hourly employees.
Planning Unit Priority: Medium
Documentation Attached?: No
On-Going Funding Requested (if applicable): 10000

Add capacity to the WELD lab -
 Extend the covered awning along the south side of the exterior of the WELD Lab by fifty feet. This additional covered area would allow us to add another potential class to each four hour lab session.
Status: Active
Goal Year(s): 2018-19, 2019-20, 2020-21
Date Goal Entered (Optional): 05/15/2019

Request - Full Funding Requested -
 Facilities construction to extend the covered awning along the south side of the WELD lab (Bldg 69) by fifty feet.
Describe Plans & Activities Supported (Justification of Need):
 Extend the covered awning along the south side of the Weld lab by fifty feet. Plus new electrical power to support up to 18 new welding student work stations.
What would success look like and how would you measure it?: New awning built, new student work stations installed and operational.
Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.
Planning Unit Priority: High
Documentation Attached?: No
One-Time Funding Requested (if applicable): 250000

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
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<p>Bring new technology to the WELD program - Acquire new equipment and technology for the WELD program that accurately represents the technology currently used in industry</p> <p>Status: Active</p> <p>Goal Year(s): 2018-19, 2019-20, 2020-21</p> <p>Date Goal Entered (Optional): 05/15/2019</p>	<p>Request - Full Funding Requested - Orbital Tube Welding system</p> <p>Describe Plans & Activities Supported (Justification of Need): In support of our WELD 81 - Pipe and Tube Welding class and our WELD 90A - Gas Tungsten Arc Welding class, our advisory committee has recommended that we acquire an orbital tube welding system to expose our students to this technology that is currently used in aerospace, petroleum, chemical processing, food production and pipe welding industries</p> <p>Lead: Dan Garcia John Kuchta Raul Tapia</p> <p>What would success look like and how would you measure it?: Purchase and implementation of this equipment in our WELD 81 and WELD 90A classes</p> <p>Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.</p> <p>Planning Unit Priority: High</p> <p>Documentation Attached?: Yes</p> <p>One-Time Funding Requested (if applicable): 60000</p>	
	<p>Request - Full Funding Requested - Engine driven generator welding power supplies</p> <p>Describe Plans & Activities</p>	

Unit Goals

Resources Needed

Where We Make an Impact: Closing the Loop on Goals and Plans

Supported (Justification of Need):

Purchase at least three engine driven generator welding power supplies in support of WELD 70C - Certification for Welders; WELD 80 - Construction Fabrication & Welding; WELD 81 - Pipe and Tube Welding; and WELD 90B - Semi-automatic Welding process. These machines will expose students in these courses to equipment that is currently used in industry.

Lead: Dan Garcia

John Kuchta

Raul Tapia

What would success look like and how would you measure it?:

Purchase and implementation of this equipment in the above named classes: WELD 70C; WELD 80; WELD 81 and WELD 90B

Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT):

Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.

Planning Unit Priority: High

Documentation Attached?: Yes

One-Time Funding Requested (if applicable): 50000