

1. Assessment Plan - Three Column



PIE - Technology & Health: Welding Unit

Narrative Reporting Year

2019-20

Contact Person: Dan Garcia

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Summary of Notable Achievements: Our most notable achievement of the past year is our DRAMATIC INCREASE in enrollment!! Looking at Fall 2020 semester CREDIT enrollments, we have added 50 students compared to Fall 2018 and 70 students compared to Fall 2017.

We have added a total of 9 sections to our annual course offerings, including increased course offerings in Winter and Summer intersessions.

Our daytime enrollments have finally caught up to our evening enrollments.

This dramatic increase in course offerings and enrollment is DIRECTLY as a result of our hiring two probationary full-time faculty in the Welding program.

Our students are finding very high paying employment in a wide range of industries and we can proudly say that Mt. SAC Welding students are BUILDING both the skyline and the future of Southern California. We have students working on the Ram/Chargers Stadium and even the Raiders stadium in Las Vegas, Nevada. We have had Mt. SAC Welding students working on construction projects at every college and university across Southern California. Mt. SAC Welding students worked on the new Star Wars Adventure in Disneyland. Mt. SAC Welding students have worked on the new Gerald Desmond Bridge at Terminal Island in the Los Angeles Harbor.

I am proud of our response to the sudden COVID-19 quarantine. Although the sudden suspension and cancellation of 21 out of our 23 Welding sections for Spring 2020 essentially erased all of the enrollment gains we have worked so hard to realize, we were able to adapt two lecture classes to online instruction and we are preparing to adapt the majority of our courses to hybrid instruction for Summer 2020 and Fall 2020.

Program Planning (Equity, Retention and Success): Along with the increase in our enrollment, I am proud and pleased to note that we have enjoyed a retention rate that hovers around 90% over the past three years. My fellow faculty and I have noted this anecdotally and the data proves it.

Perusing the enrollment, retention and success data I see verification of my perceptions regarding the population of students who we serve. Almost 70% of our students are Hispanic. Our student population is primarily male. It fluctuates between 88% and 95% depending on the term. Our female enrollment has been slowly increasing, but still hovering between 6% and 7% of our total enrollment.

Overall student success averages 80% over the past three years, for all students.

The data shows that if we want to increase the success of our students, we need to continue increasing our enrollment. The growth that we have experienced has created a new problem for us: the capacity of our current facility. Our current course schedule represents a MAXIMUM CAPACITY for our facility. We simply have no more room in our current configuration to add more students. We currently host two classes in our lab simultaneously in each of our scheduled blocks. We are even hosting two classes on Fridays and Saturdays!!

In order for us to create additional enrollment capacity, we will need to explore options to expand the teaching capacity of our current lab. It appears possible to create additional welding booths if we are able to extend the covered awning along the south side of the exterior of the Welding Lab.

We have also suffered from a chronic, long-term shortage of budgetary resources to accommodate the increased demand from our students.

External and Internal Conditions Analysis: External Conditions:

Uncertain 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.

Employers in the industry are demanding a broader range of skills in entry-level employees.
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.
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.)
Increased needs for a greater diversity of industry certifications (pipe welding certifications, and reinforcing steel - rebar - for example.)
Rigorous Seismic Welding Certification standards will be enforced requiring additional certifications for welding students
Difficulty in recruiting qualified adjunct faculty members. Very difficult to find applicants with both adequate industry experience AND adequate education.
Increased difficulty in recruiting new industry partners for participation in program advisory committee.
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.
There is no explicit commitment to 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.
Fall 2016: Mt. SAC purchase caused an artificial delay in processing Perkins requisition for lease of bulk argon system. Requisition was submitted in September 2015, not processed and issued until February of 2016. Meanwhile, we consumed a full bottle of argon per 4 hour class session. Each bottle of argon cost the program approximately \$70 to fill.
WINTER 2016: Aircraft Maintenance program offered double the normal course offering of AIRM 73 Aircraft Welding. We host this class in the WELD lab. The double sections created twice the normal demand on our argon supply.
SPRING 2020: COVID-19 pandemic resulted in the suspension and cancellation of our lab-based classes. For Spring semester, we lost 21 out of 23 sections of Welding classes. Spring 2020 was the largest single semester enrollment we have had in the entire history of Mt. SAC Welding.

Internal Conditions:

Upturn in enrollment is good for the program, but it places a strain on limited resources.
Spanish speaking students require additional instructor-attention to remediate for terminology and safety issues, product descriptions
Desperate need for dedicated tool crib attendant to cover evening sessions to minimize losses of tools and electrodes.
At the start of '15-'16, WELD Dept. Chair was informed that full-time/part-time evening tool crib attendant position had been approved by the Board of Trustees, but the process for filling that open position seemed to disappear in the Human Resources department. No progress or communication.
Growth of program requires switching our current lab technician from an 11 month employee to a 12 month employee
Limited space has required the program faculty to be flexible re: scheduling of classes including use of week-ends, etc.
Increased numbers of students pursuing certifications.
Need to control and limit student enrollment in Community Education sections
Students using Community Education sections to circumvent course repetition restrictions.
Expansion of certification of students for City of LA has necessitated greater man-hours for running of testing facility
Continued high enrollment and high numbers of students unable to enroll due to full classes indicates need for additional weld class sections.
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.
Extreme high student demand for additional sections during Summer and Winter sessions.
Need to recruit additional adjunct faculty members for adjunct pool.
Need to re-evaluate total units for each of the welding certificates to improve numbers of certificates completed and awarded.
Advisory committee recommended development of Fabrication Technology certificate.
Increased course offerings through Summer and Winter sessions creates need for more instructional supplies.
Internal program focus on student employment conflicts with college focus on degree and certificate completions and university transfers.

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.

Existing equipment, specifically welding power supplies, showing wear and tear as they reach the end of their service life. 5 GTAW power supplies have required constant maintenance and repair over the past year. Recommend replacing these power supplies.

Hiring of new full-time faculty, including orientation and evaluation process, is placing additional demands on limited time resources of WELD department chair.

Critical Decisions Made by Unit: -Outright purchase of Bulk Liquid Argon storage vessel

-Adapt WELD 53A and WELD 60 to online instruction format

-Overload adjunct faculty member in order to prevent cancelling sections

-Recruit our FIRST FEMALE adjunct faculty member

-Open up completion bottleneck by adding sections of WELD 53A, WELD 60, and WELD 80 and WELD 81 to the course schedule.

-Cancel welding lab sections in Spring 2020 that would not be able to be taught via remote instruction.

Contributors to the Report: Dan Garcia - Department Chair

Famm Douangchampa - Equipment Technician

John Kuchta - Probationary Faculty

Raul Tapia - Probationary Faculty

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

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

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

Reporting Year: 2019-20

% Completed: 75

After continued tracking of this issue, and visiting the offices of the L.A. Department of Building & Safety, we have determined that for the foreseeable future, all of the written exams for structural steel certification will be hosted at the Figueroa Street headquarters of LADBS. They will no longer offer remote hosting of the written exam. We will be forced to rely on students returning to our program and reporting in person to their instructors to share their results. (03/29/2020)

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

Reporting Year: 2019-20

% Completed: 25

SPOT certification process has begun for John Kuchta. Dan Garcia and Raul Tapia, the regularly scheduled instructors for the traditional WELD 70C class, need to complete the SPOT training. There is very rigorous discussion among the department faculty regarding the true viability of making this class an online hybrid.

Scheduling the lab portion to this hybrid course will impact our current class scheduling load on our facility. We might

Unit Goals	Resources Needed	1. Where We Make an Impact: Closing the Loop on Goals and Resources
	<p>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</p>	<p>not have the room in our lab to accommodate additional sections of this course. Also, disseminating our course materials in an electronic format has the potential to dilute our enrollment demand if our proprietary course materials wind up being shared with other welding programs. (03/29/2020)</p>
<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>	<p>Reporting Year: 2019-20 % Completed: 25 Raul Tapia and I have identified a potential candidate to teach the ESL/VESL Welding class. Our next step will be to approach this individual to initiate the hiring process. We then need to make sure that we are able to squeeze this course in to our regular class schedule. The optimal choice for scheduling these sections of ESL/VESL Introduction to Welding would be during an intersession like Summer or Winter. The increased course offerings of our recent schedules is impinging on the space in the welding lab. A review of our enrollment data shows that the student population of the Welding program is approximately 70% Hispanic. A continued strong ESL/VESL course offering will be additional aide to increasing our enrollment. (03/29/2020)</p>

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

temporary/hourly employees.

Planning Unit Priority: High

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 - Full Funding Requested -

Expand course offerings for morning and afternoon welding classes. Develop additional advanced level course outlines.

***Describe Plans & Activities**

Supported (Justification of Need):

Increased enrollment and additional class sections means that there will be more students in the facility on a weekly basis, and those students will need adequate materials and supplies: consumable instructional supplies such as bottled gases, electrodes, filler wires, fluxes, hand tools and personal protective equipment.

***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: SUPPLIES AND MATERIALS: Instructional supplies and materials are items to be used by students, faculty and other personnel in connection with an instructional program, less than \$500.

Planning Unit Priority: High

On-Going Funding Requested (if applicable): 8000

Total Funding Requested: 8000.00

Reporting Year: 2019-20

% Completed: 75

Our course offering has grown to its current maximum capacity. We are offering two sections at each of our class meeting blocks. We are at capacity from Monday through Saturday. We have no room in the lab to add any additional classes. However, we need to have a dramatic increase of our instructional supply budget and our repair budget to adequately service this increased student demand. (03/29/2020)

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)

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

Request - Full Funding Requested -

Maintain the strength and reputation of Mt. SAC Welding among employers and industry representatives as well as current and future students.

***Describe Plans & Activities**

Supported (Justification of Need): -

Release time for the department chair, or "Director of the Welding Program" position to visit with employers and establish relationships leading to student employment, material or equipment donations and participation on the Mt. SAC Welding advisory committee.

-2 LHE release time, per semester, in addition to Department Chair LHE, whether a single faculty member holds both positions (Department Chair and Program Director), or if different faculty members hold the positions separately.

***Lead:** Dan Garcia

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

Employment of our students; Feedback from our industry advisory committee; increased donations of material and equipment from industry

Type of Request: STAFFING: Requests for permanent employee positions or temporary/hourly employees.

Planning Unit Priority: High

On-Going Funding Requested (if applicable): 8600

Total Funding Requested: 8600.00

Request - Full Funding Requested - Reporting Year: 2019-20

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>Purchase (3) engine-driven welding generator power supplies for students.</p> <p>*Describe Plans & Activities Supported (Justification of Need): We will seek funding through instructional equipment requests, Perkins funding or Strong Workforce funds.</p> <p>*Lead: Dan Garcia</p> <p>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.</p> <p>Planning Unit Priority: Medium</p> <p>One-Time Funding Requested (if applicable): 24000</p>	<p>% Completed: 0</p> <p>This request fits better under the "Bringing new technology to the Welding program" so I am trying to delete this request from the goal of "Maintaining Mt. SAC Weld" and move to the appropriate goal. (05/05/2020)</p>
<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</p> <p>Status: Active</p> <p>Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21</p> <p>Date Goal Entered (Optional): 09/01/2016</p>	<p>Request - Full Funding Requested - Update equipment in the Welding lab (welding positioners).</p> <p>*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.</p> <p>*Lead: Dan Garcia</p> <p>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.</p> <p>Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction,</p>	<p>Reporting Year: 2019-20</p> <p>% Completed: 75</p> <p>We are happily using the three welding positioners that we have. Our original goal was to purchase a total of six turntables. We still need to acquire at least two more turntables. (03/29/2020)</p> <hr/> <p>Reporting Year: 2018-19</p> <p>% Completed: 50</p> <p>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</p> <p>% Completed: 25</p> <p>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</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>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>One-Time Funding Requested (if applicable): 15000</p> <p>Request - Full Funding Requested - 50 Ton Air-Hydraulic Press for bend testing of Structural Steel testing coupons.</p> <p>*Describe Plans & Activities Supported (Justification of Need): Our existing hydraulic press is non-functioning and due to its age it is cost-prohibitive to repair. Our structural testing program is severely impacted by this piece of equipment being out of service.</p> <p>*Lead: Dan Garcia</p> <p>What would success look like and how would you measure it?: Purchase and installation of a new press in the testing lab portion of the Mt. SAC Welding lab. [This is likely an item to be requested through Perkins funding]</p> <p>Type of Request: 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: Urgent</p> <p>One-Time Funding Requested (if</p>	<p>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</p> <p>% Completed: 0</p> <p>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 or May of '17. Otherwise, we will apply for funding again in '17-'18. (07/10/2017)</p>

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

applicable): 14500

Total Funding Requested: 14500.00

Request - Full Funding Requested -

Electric furnace to replace existing, non-operable electric furnace.

***Describe Plans & Activities**

Supported (Justification of Need):

We use our existing furnace (which was donated to our program) to support WELD 53A - Welding Metallurgy. We use the furnace for short demonstrations of melting temperatures of various alloys. We also use the furnace to do demonstrations of heat treating, hardening and annealing different materials.

Since the existing furnace was a donation, it had been used consistently prior to coming to our facility, and thus its service life for us was very short.

[This is a likely candidate for a Perkins request]

***Lead:** Dan Garcia

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

Purchase and installation of a new furnace. Then incorporation of the new furnace in to the lab portions of WELD 53A.

Type of Request: 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: Urgent

One-Time Funding Requested (if

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

applicable): 6500

Total Funding Requested: 6500.00

Request - Full Funding Requested -

Purchase a new, higher capacity air compressor system to support the needs of students in the WELD lab.

***Describe Plans & Activities**

Supported (Justification of Need):

During Fall semester of 2019, our air compressor gave out. Luckily, we had received a donation of another USED air compressor a few years back, so we had that available to install as a stop-gap measure.

However, as the needs of the WELD program have increased due to more students and more class sections, the demands on our air compressor have increased as well. This used replacement compressor is undersized to meet our current needs for plasma cutting, air-carbon arc gouging and pneumatic tool use. With the new WELD 91 and Automotive Welding, Cutting and Modification certificate program coming back online in the near future, we expect our current undersized air compressor to not be able to meet our needs. We would like to be pro-active in assessing and sourcing a replacement system in the near future. We would consider Strong Workforce or Perkins funds to be a likely source of funding for this purchase.

***Lead:** Dan Garcia

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

Selection, purchase and installation of

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
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a new, higher capacity compressor and auxiliary components (dryer and oil filter).
Type of Request: 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
One-Time Funding Requested (if applicable): 45000
Total Funding Requested: 45000.00

<p>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</p>	<p>Report directly on Goal</p>	<p>Reporting Year: 2019-20 % Completed: 25 This is an ongoing conversation among our department faculty and staff. We need to see a clear demand for specific industry segments and processes before we proceed with implementing additional certifications. We are mindful that adding certification testing procedures to our current offerings will create additional demand on our personnel. (03/29/2020)</p>
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<p>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,</p>	<p>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</p>	<p>Reporting Year: 2019-20 % Completed: 25 Progress made on this goal in the Fall semester of 2019. I had a series of very productive conversations with Steve James, chair of IDE and MFG, regarding the appropriate classes to include in this certificate. We have agreed to pursue a Strong Workforce application for funding to acquire equipment to support this new certificate. Now that the new version of WebCMS is functional, I am preparing to</p>
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Unit Goals	Resources Needed	1. Where We Make an Impact: Closing the Loop on Goals and Resources
<p>2019-20, 2020-21 Date Goal Entered (Optional): 09/01/2016</p>	<p>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. 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 One-Time Funding Requested (if applicable): 120000</p>	<p>enter a certificate program proposal into the system. (03/29/2020)</p> <hr/> <p>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)</p> <p>Reporting Year: 2019-20 % Completed: 0 No progress has been on this goal up to this point. We would like to pursue either Strong Workforce or Perkins funding to facilitate this purchase. This piece of equipment would support the new Fabrication Technology certificate program and the renewed Automotive welding and modification certificate. (03/29/2020)</p>
<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,</p>	<p>Report directly on Goal</p> <hr/> <p>Request - Partial Funding Requested - 5 additional LHE release hours,</p>	<p>Reporting Year: 2019-20 % Completed: 0 Still no progress made towards the completion of this goal. I need to investigate the procedure for getting support and justification for the creation of this position. (03/29/2020)</p> <hr/> <p>Reporting Year: 2019-20 % Completed: 0</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
<p>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.</p> <p>Status: Active</p> <p>Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21</p> <p>Date Goal Entered (Optional): 05/31/2018</p>	<p>minimum.</p> <p>*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.</p> <p>*Lead: Dan Garcia, Welding department chair</p> <p>What would success look like and 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.</p> <p>Type of Request: STAFFING: Requests for permanent employee positions or temporary/hourly employees.</p> <p>Planning Unit Priority: Medium</p> <p>On-Going Funding Requested (if applicable): 10000</p>	<p>No progress has been made on this goal to date. Though there is still a profound need for this position. I need to investigate the process for justifying the creation of this position. (03/29/2020)</p>
<p>Add capacity to the WELD lab - Extend the covered awning along the south side of the exterior of the</p>	<p>Report directly on Goal</p>	<p>Reporting Year: 2019-20 % Completed: 0 Up to this point, this has been just a matter of discussion.</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
<p>WELD Lab by fifty feet. This additional covered area would allow us to add another potential class to each four hour lab session.</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>Report directly on Goal</p> <hr/> <p>Request - Full Funding Requested - Facilities construction to extend the covered awning along the south side of the WELD lab (Bldg 69) by fifty feet.</p> <p>*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.</p> <p>What would success look like and how would you measure it?: New awning built, new student work stations installed and operational.</p> <p>Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.</p> <p>Planning Unit Priority: High</p> <p>One-Time Funding Requested (if applicable): 250000</p>	<p>But if we are going to continue to grow our program, especially our course offerings and enrollment, we need to leverage the existing space in our facility to accommodate more welding students. (03/29/2020)</p>
<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>Report directly on Goal</p> <hr/> <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</p>	<p>Reporting Year: 2019-20 % Completed: 0</p> <p>We are including the purchase of these items in our Perkins application and are hopeful at some point we will receive funding. (03/29/2020)</p> <hr/> <p>Reporting Year: 2019-20 % Completed: 0</p> <p>No progress made on this goal. This is an item that we continue to include on our Perkins applications. (03/29/2020)</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
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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

***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 our WELD 81 and WELD 90A classes

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

One-Time Funding Requested (if applicable): 60000

Request - Full Funding Requested - Engine driven generator welding power supplies

***Describe Plans & Activities**

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;

Reporting Year: 2019-20

% Completed: 0

Adding engine driven power supplies will help us add capacity to our lab without requiring any modifications to our facility. This could provide a short term solution to adding welding stations for students. These machines would represent technology currently in use various aspects of the welding industry. (03/29/2020)

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

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 81and 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

One-Time Funding Requested (if applicable): 50000