

1. Assessment Plan - Three Column



PIE - Natural Sciences: Agriculture Unit PIE

Narrative Reporting Year

2019-20

Contact Person: Brian Scott

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Summary of Notable Achievements: .

Program Planning (Equity, Retention and Success): .

External and Internal Conditions Analysis: .

Critical Decisions Made by Unit: 1. We must constantly make critical decisions to assess the crops we are producing to make sure that we are providing a product that we can sell and an appropriate laboratory environment for our programs. This year we continued to reduce and make other changes to our production at the horticulture unit in order to allow more space to be used for laboratory demonstration and activity areas. A permanent irrigation lab facility was constructed as a class project in Mesa Norte. These areas were designated as part of the master plan that we created in 2017.

2. We made the decision to dedicate more resources to a better inventory control system for the horticulture unit. Although the system is costly, it will allow our students to learn about systems that they will be using in nurseries.

Contributors to the Report: Brian Scott, Department Chair

Jennifer Hinostroza, Faculty

Dawn Waters, Faculty

Bruce Carleton, Farm Supervisor

Unit Goals

Resources Needed

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

Student Success and Achievement -

Support student success, achievement, and extracurricular opportunities for students, such as show teams, competitive teams, and clubs.

Status: Active

Goal Year(s): 2016-17, 2017-18,

In Progress - Research Support to help to form a survey and database that would help us track student success every semester.

***Describe Plans & Activities**

Supported (Justification of Need):

Assistance from our research team to set up a survey that can be

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
<p>2018-19, 2019-20, 2020-21 Date Goal Entered (Optional): 09/01/2016</p>	<p>accessed by students through their portal and that can be read by Agricultural Sciences faculty *Lead: Brian Scott What would success look like and how would you measure it?: The survey is set up, accessible by students in Agricultural Sciences courses and the results are available to Agricultural Sciences faculty Planning Unit Priority: High One-Time Funding Requested (if applicable): 1000 In Progress - Support Competitive Teams *Describe Plans & Activities Supported (Justification of Need): Funding for Travel for faculty and staff coaches of these teams. Faculty and staff coaches need to attend to support the students competing on the livestock show teams and Turf Team. There is currently no funding for staff, and limited funding for faculty. - \$4,500 *Lead: Brian Scott What would success look like and how would you measure it?: Faculty and Staff will be able to take students to these competitions. Planning Unit Priority: Medium One-Time Funding Requested (if applicable): 10000</p>	<p>Reporting Year: 2018-19 % Completed: 100 Three teams of four students competed in the STMA Student Challenge in Phoenix, AZ. The teams placed second, third and fourth. This is an annual event and next year it will be held in West Palm Beach Florida, so we will need ongoing support. Brian Scott and Chaz Perea are the Turf Team coaches. The horse show team participated in several events coached by Jennifer Loreda Livestock show teams participated in several events coached by Larry Poncetta Funding will be needed for this every year, because we will be taking students to participate in these events every year. Completion this year does not mean we will not need funding again next year, or that the task will not be needed again next year. (05/31/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 100 3 teams of students attended the STMA competition this year, and came in first, second, and fourth places. The horse show team participated in several events, and one student went the semi-finals in North Carolina. Livestock show teams participated in several events. Funding will be needed for this every year, because we will be taking students to participate in these events every year. Completion this year does not mean we will not need</p>

Unit Goals

Resources Needed

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

funding again next year, or that the task will not be needed again next year. (05/02/2018)

Reporting Year: 2016-17

% Completed: 75

3 teams of students attended the STMA competition this year, and came in first, second, and fourth places. The horse show team participated in several events, and one student went all the way to Nationals for the first time. Livestock show teams participated in several events. Funding will needed for this every year, because we will be taking students to participate in these events every year. Completion this year does not mean we will not need funding again next year, or that the task will not be needed again next year. (06/24/2017)

In Progress - Support Student Clubs and organizations.

***Describe Plans & Activities**

Supported (Justification of Need):

Faculty to participate as advisors. Facilities to hold meetings and events.

***Lead:** Brian Scott

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

Students will have the opportunity to participate in extracurricular activities

Reporting Year: 2018-19

% Completed: 100

Jennifer Hinostroza was the advisor for the Horticulture Club again this year. The club competed in the South Coast Plaza "At Home in the Garden" show, which provides them with valuable experience putting together a landscape. The club held social events such as the annual Halloween party, which allowed students to socialize and network with other students outside of class. The club also hosted a booth at the Los Angeles Environmental Education Fair, providing the public with educational activities and information about our programs.

Representing the club, students attended campus events such as Join a Club. They also participated in Farm Day by hosting an activity booth.

Although the goal was met, there will be student clubs every year, so the goal will repeat every year, and we will continue to need facilities to hold meetings and faculty support. (03/24/2019)

Reporting Year: 2017-18

% Completed: 100

Jennifer Hinostroza was the advisor for the Horticulture Club again this year. The club competed in the South Coast Plaza "At Home in the Garden" show, winning first place in the student competition and 5th place when ranked with

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>In Progress - Facilitate work experience (internships and externships) and job placement</p> <p>*Describe Plans & Activities Supported (Justification of Need): Release time to develop industry partnerships</p> <p>*Lead: Chaz Perea, Dawn Waters</p> <p>What would success look like and how would you measure it?: Horticultural Sciences: 4 sections (combined on and off campus) will be available during the Fall and Spring semesters. 1 section available in both Winter and Summer.</p> <p>Planning Unit Priority: High</p>	<p>the professionals. The club also hosted events which allowed students to socialize and network with other students.</p> <p>Representing the club, students attended campus events such as Join a Club. They also participated in Farm Day by hosting an activity booth.</p> <p>Although the goal was met, there will be student clubs every year, so the goal will repeat every year, and we will continue to need facilities to hold meetings and faculty support. (05/02/2018)</p> <hr/> <p>Reporting Year: 2016-17 % Completed: 100</p> <p>Jennifer Hinostroza was the advisor for the horticulture club this year. The students completed several service projects off campus, invited guest speakers to meetings, and participated in many campus events, such as the campus carnival in Fall and Farm Day. They were also awarded with a President's Sustainability Award for student leadership.</p> <p>Although the goal was met, there will be student clubs every year, so the goal will repeat every year, and we will continue to need facilities to hold meetings and faculty support. (06/24/2017)</p> <p>Reporting Year: 2018-19 % Completed: 100</p> <p>We provided 403 students with opportunities to gain valuable work experience this year - both on campus and with off campus employers. As of April 1, 262 students had successfully completed their work experience. These numbers do not include students who completed work experience in spring or summer, as reporting was done before spring classes were completed and before summer classes began. (04/02/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 100</p> <p>We provided 262 students with opportunities to gain valuable work experience this year - both on campus and with off campus employers. This does not include students who completed work experience in summer, as reporting was done before summer classes began. (05/03/2018)</p>

Unit Goals	Resources Needed	1. Where We Make an Impact: Closing the Loop on Goals and Resources
		<p>Reporting Year: 2016-17 % Completed: 25 Exploring relationships with Water Wise and Chino Basin Water Conservation district for work experience in performing irrigation audits and other water saving measures. Further develop relationships with Memorial Coliseum turf manager, Stub Hub center turf manager, Dodger Stadium turf manager, Rancho Santa Ana Botanical Garden, and Waypoint Analytical (where we have a history of student employment). (06/29/2017)</p>
<p>In Progress - Recognition and Scholarships *Describe Plans & Activities Supported (Justification of Need): Ag Department Banquet - \$5,000 Scholarship Donors *Lead: Chaz Perea What would success look like and how would you measure it?: Provide scholarships for students. Hold the Ag Banquet to recognize students publicly.</p>		<p>Reporting Year: 2016-17 % Completed: 100 We provided 339 students with opportunities to gain valuable work experience this year - both on campus and with off campus employers. (06/27/2017)</p> <p>Reporting Year: 2018-19 % Completed: 25 We have continued to award several scholarships this year, thus enhancing students' abilities to gain access to education. L.A. Garden Club awarded two \$750 scholarships. Tom and Mary Lou Visosky awarded one \$250 scholarship. The Orange County Farm Bureau awarded two \$1,000 scholarships. Waterwise awarded one \$250 scholarship. The Evening Optimist Club of Walnut awarded \$500 in scholarships. The Kowalskis awarded one \$500 scholarship.</p> <p>In addition to these monetary awards, approximately 30 students were recognized for their 'above and beyond' efforts in the classroom and on the farm at our annual Ag Banquet.</p> <p>Scholarship acquisitions will continue to be in progress every year, so we are unsure how to answer the % completed question. (05/31/2019)</p>
		<p>Reporting Year: 2017-18 % Completed: 25 We have continued to develop new scholarships this year,</p>

Unit Goals

Resources Needed

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

thus enhancing students' abilities to gain access to education. L.A. Garden Club increased their scholarship from one \$500 award to two \$750 awards. Tom and Mary Lou Visosky are awarding two, \$250 scholarships. We have made a request to the Orange County Farm Bureau for an additional endowment in the amount of \$200,000. At the time of this report we are getting ready to meet with them to discuss the details of how this will help the RVT students with state and national board exam fees.

Our department scholarship awards were integrated into the college wide scholarship system which we hope will streamline the process and make more students aware of scholarships that are available to them.

Scholarship acquisitions will continue to be in progress every year, so we are unsure how to answer the % completed question. (05/23/2018)

Reporting Year: 2016-17

% Completed: 25

Create awareness and exposure for potential recognition/support/scholarship supporters of Mt SAC Hort Program. Need to continue to develop relationships with industry sources. Examples: (1)Build more field trips and labs around OC Farm Bureau 's president Mark Lopez's farming operations, (2)further develop relationship with Water Wise president (Ajay) for perennial scholarships/WE, (3) expand relationship with Chino Basin Water Conservation District for internships/Plant ID testing/scholarships, (4)explore relationship with irrigation vendors(Hunter, Rainbird, Netafim), explore relationship with Target Specialty Products(inviting Bill Harrison Target Rep also OC FB Board Member to participate in program via speaking and lab activities to promote the program). (06/29/2017)

Reporting Year: 2016-17

% Completed: 100

We recognized 32 students with awards, distributed 6 distinguished service awards, and awarded approximately

<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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In Progress - Completion - Insure that students are able to successfully complete courses and programs.

***Describe Plans & Activities Supported (Justification of Need):**
Textbooks to put on reserve in the library and TERC. - \$300.00

***Lead:** Brian Scott

What would success look like and how would you measure it?:
Improved completion of courses. Improved student access to textbooks. The library tracks student use of textbooks, and use records are readily available.

Planning Unit Priority: Medium

\$5,000 in scholarships at this year's Ag Banquet. (06/27/2017)

Reporting Year: 2018-19

% Completed: 25

We were able to purchase 3 additional textbooks to place on reserve in the library this year. This will help improve the success of students who are economically disadvantaged and cannot afford to purchase the textbooks. (03/24/2019)

Reporting Year: 2017-18

% Completed: 25

We received \$1265 to purchase textbooks this year through the Perkins Grant. These textbooks have been placed on reserve in the library and the TERC. We did not get enough funding to purchase all of the textbooks needed, but we will keep trying to purchase the rest. We feel that this will improve the success of students are economically disadvantaged and cannot afford to purchase or rent the textbooks.

We have merged the content of AGOR 4 and AGOR 5 into one class, AGOR 5. We modified Park and Sports Turf Management A.S. degree to reduce the required units to 34 core course units. We modified the I.P.M. degree to include more choices of electives of core courses and removed some of the biology course electives. The Park Management certificate was modified to take into account the merging of AGOR 4 and 5. The Equipment Technology Degree and Certificate were deactivated due to industry changes not requiring these for employment any longer.

Planned Pathways were completed for all degrees and certificates.

The RVT Program is on the verge of completing an application process for admission into that program. The program has also received funds from the Strong Workforce Initiative, allowing us to hire one more full-time faculty member, which has increased our course offerings to allow

<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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In Progress - Facilitate Transfer
***Describe Plans & Activities**
Supported (Justification of Need):
 Assistance from Articulation officers to maintain articulation agreements and help facilitate conversations between colleges.
 C-ID approval of Animal Science courses for AS-T in Animal Science
 Maintain Transfer degrees.
***Lead:** Audra Lopez, Jennifer Hinostroza

students to complete the program in a more timely manner. (04/26/2018)

Reporting Year: 2018-19

% Completed: 100

We added subject matter articulation with Cal Poly Pomona for AGOR 75 and AGOR 64 to assist our students with getting credit for coursework they took at Mt. SAC. Although the credit won't transfer because Cal Poly's courses are upper division, the students won't have to repeat the subject matter.

We articulated several courses with High Schools this year, including Horticultural Science, Animal Science, Horse Production, and Landscape Construction fundamentals. The total number of agreements created for 2018-2019 was 28.

AGAN 1 = 14

AGLI 16 = 3

AGOR 1 = 9

AGOR 71 = 2

The total number of students who received articulated credit for the 2017-2018 year (which was awarded during the 2018-2019 year) was:

AGAN 1: 38

AGLI 16: 6

AGOR 1: 40

Although these agreements were completed this year, we will repeat articulation every year, so it will remain a part of our plan. (04/02/2019)

Reporting Year: 2016-17

% Completed: 50

We articulated several courses with High Schools this year, including Horticultural Science, Animal Science, and Landscape Design. (05/23/2018)

Reporting Year: 2016-17

% Completed: 50

This year we got approval for the AS-T in Plant Science, which is now available for students. The AS-T for Animal Science was submitted to the curriculum committee for

<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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In Progress - Promote Industry Certification
***Describe Plans & Activities Supported (Justification of Need):** Availability of certification study guides in the Library
***Lead:** Chaz Perea, Maya Padilla
What would success look like and how would you measure it?: students will receive industry certification.
One-Time Funding Requested (if applicable): 2000

review, and we hope to have approval for that next year. We articulated several courses with High Schools this year, including Horticultural Science, Animal Science, and Landscape Design. We also met with the Landscape Architecture department at Cal Poly Pomona and Articulation Officers from both colleges to determine which of our courses could be articulated with their new changes to their program as they change from quarters to semesters. We also submitted several courses to C-ID for review in order to facilitate seamless transfer of units. (06/27/2017)

Reporting Year: 2018-19
% Completed: 100
 We promoted industry certification in our courses, but we would like to make more resources available to help students prepare. We had students successfully tested and obtained their Qualified Applicator's License from the Department of Pesticide regulation. Students obtained their Arborist Certification from the International Society of Arboriculture. Students passed the RVT State licensing exam this year. (05/31/2019)

In Progress - Promote Industry Awareness
***Describe Plans & Activities Supported (Justification of Need):**

Reporting Year: 2016-17
% Completed: 25
 We promoted industry certification in our courses, but we would like to make more resources available to help students prepare. We had three students that successfully tested and obtained their Qualified Applicator's License from the Department of Pesticide regulation. Two of the three students received a direct increase in pay following the acquisition of the license. Two students obtained their Arborist Certification from the International Society of Arboriculture. 29 students passed the RVT State licensing exam this year. (06/27/2017)

Reporting Year: 2018-19
% Completed: 100
 We hosted Horticulture Career Night on May 16 which provided over 200 students with the opportunity to talk one

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>Horticulture Career Night - We do not need funding for this event, but we need to have access to facilities to hold the event, such as an auditorium.</p> <p>*Lead: Brian Scott</p>	<p>on one with professionals from many different parts of the industry, as well as professional organizations in our industry. They also had the opportunity to hear several guest speakers give presentations about their parts of the industry. Our Advisory Committee served an important role in planning this event. We will continue to host this event annually, so we will continue to need resources. We also had industry guest speakers in many of our classes, and took students on fieldtrips to many different locations. (03/24/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 100 We hosted Horticulture Career Night on May 15 which provided over 200 students with the opportunity to talk one on one with professionals from many different parts of the industry, as well as professional organizations in our industry. They also had the opportunity to hear several guest speakers give presentations about their parts of the industry. Our Advisory Committee served an important role in planning this event. We will continue to host this event annually, so we will continue to need resources. We also had industry guest speakers in many of our classes, and took students on fieldtrips to many different locations. (05/02/2018)</p> <hr/> <p>Reporting Year: 2016-17 % Completed: 100 This year we hosted a successful Horticulture Career Night which provided students with the opportunity to talk one on one with professionals from many different parts of the industry, as well as professional organizations in our industry. They also had the opportunity to hear several guest speakers give presentations about their parts of the industry. Our Advisory Committee served an important role in planning this event. We also had industry guest speakers in many of our classes, and took students on fieldtrips to many different locations. (06/27/2017)</p>

Lab and Classroom Facilities - Request - Partial Funding Requested

<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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Maintenance , updating, and renovation of our Animal and Horticultural lab facilities is key to being able to operate our farm and provide educational experiences for our students. We need to maintain the older facilities as well as the new facilities. New facilities have been built, but many have not been finished, or built properly, and maintenance of these facilities has revealed new problems.

Status: Active

Goal Year(s): 2016-17, 2017-18, 2018-19, 2019-20, 2020-21

Date Goal Entered (Optional): 09/01/2016

- This is an excel spread sheet summarizing all funding requests in the LAB AND CLASSROOM FACILITIES goal

***Describe Plans & Activities Supported (Justification of Need):**
 This is an excel spread sheet summarizing all funding requests in the LAB AND CLASSROOM FACILITIES goal

***Lead:** This is an excel spread sheet summarizing all funding requests in the LAB AND CLASSROOM FACILITIES goal

What would success look like and how would you measure it?: This is an excel spread sheet summarizing all funding requests in the LAB AND CLASSROOM FACILITIES goal

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High

Total Funding Requested: 5,000,000

Related Documents:
[2020-21 PIE bs 6_28_20.xlsx](#)

Request - Full Funding Requested - COVID return-to-campus laboratory student supply needs

***Describe Plans & Activities Supported (Justification of Need):**
 Storage facility - High priority - We have identified the vivarium as a an ideal place for storage of equipment. This location is central to multiple units and will allow for ease of access with the least impact on daily farm activities. In addition, this is an

<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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enclosed, accessible facility that can be secured and maintained to safeguard biosecurity. It is available for use now but needs to be reserved and prepped for this use. Use of this facility would not require any additional funds. If this facility is not available, additional funding would be needed to secure an alternative. \$3,000 This is based on needs for 5 partial lab courses. Additional courses would increase costs.

Storage bins - High priority - Students will be assigned an individual storage bin to store their required lab instructional equipment in an effort to prevent disinfection after every use. \$2,400

Storage racks - High priority - Individual storage bins will be stored on rolling storage racks so they can be moved into an open area where students can access their required lab instructional equipment needed for the day. \$2,000

Variety of required lab instructional equipment- High priority - Each student will be assigned their own individual equipment (such as halters, lead ropes, hoof picks, brushes, etc.) that will be utilized in lab for the semester. \$5,600

***Lead:** Audra Lopez
What would success look like and how would you measure it?: Each student will have their own set 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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laboratory equipment to reduce cross-contamination between students while reducing labor costs and reducing safety risks for faculty and staff

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
Total Funding Requested: \$15,000

In Progress - Maintain relevant classroom facilities

***Describe Plans & Activities Supported (Justification of Need):**

Additional, larger sinks in the Anatomy Lab classroom and animal prep room. - medium priority - The sinks are not large enough to clean the dissection kits that are used in classes. \$4,000

Permanent solution for fume hood problem in Bldg 80 - medium priority - No vacuum pump was supplied when the building was constructed, so fume hoods cannot be operated together. \$20,000

DVD players in Bldg 80 do not work - low priority - The DVD players that were installed in classrooms have never worked, and a solution is needed. We used to be able to play DVDs in the computers, but the new classroom computers do not have hardware to play them. \$4,000

The rolling chairs in our classrooms are aging and breaking, and we will need ongoing replacement of this

Reporting Year: 2018-19
% Completed: 25
 Backup power supply was installed for the Animal Hospital. (05/31/2019)

Reporting Year: 2017-18
% Completed: 25
 Classroom computers were all replaced this year. (04/26/2018)

Unit Goals

Resources Needed

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

furniture. Current need is approximately 30 chairs to replace those that have already broken and been removed.

Need capability and materials for disinfecting classroom surfaces (Including carpeted rooms), computers, and other equipment for COVID-19 standards and requirements. Cost unknown because requirements keep changing.

***Lead:** Brian Scott

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

Classrooms would be safe and properly equipped for instruction and student use in a variety of courses.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High
One-Time Funding Requested (if applicable): 28000

Total Funding Requested: 50,000

In Progress - Animal Hospital - Maintain a functioning Animal Hospital as a laboratory facility for RVT courses.

***Describe Plans & Activities**

Supported (Justification of Need):

Large Sink - medium priority - There are no sinks in the hospital, and one is needed for lab machines. \$2,000
Surface Pro Windows Computers (2 tablets and kits/keyboards) - high priority - Will be used in class to show surgical procedures, diagrams,

Reporting Year: 2018-19

% Completed: 50

The following items have been purchased for the Hospital - Heska Pumps (2), and Ventilator (1). The UC Davis mannikins were removed due to the fact that they are no longer manufacturing them. We will need to look for other vendors for our mannikin needs. (04/19/2019)

Reporting Year: 2017-18

% Completed: 25

We have received the following equipment for the Animal Hospital: Cold Laser Therapy Machine, Pentel GI Endoscope, Dentalaire Ultimate Mobile Dental Station, and Microbiology Incubator. All of the equipment received will

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>and viewing digital radiographs. Students will be able to carry the computer with them to aid in learning. - \$7,000</p> <p>Baxter floguard IVAC fluid pumps - High priority - Used to administer IV fluids to patients in class during surgery and medical classes. - \$900</p> <p>Annual maintenance and calibration of RVT equipment - high priority - Annual maintenance is needed for anesthesia machines, lab chemistry machines, surgical laser, endoscope, microscopes, x-ray machine, sterilization machines. \$5,000</p> <p>Commercial washers and dryers (2 of each) - High priority - Washers and dryers are needed for laundering towels and blankets used in the RVT program. \$10,000</p> <p>Digital X-Ray Machine - high priority - The State of California will soon be outlawing film chemicals, which will make our existing film X-ray machine obsolete - \$75,000</p> <p>Mannikins to be used for IV catheter placement, intubation skills, and venipuncture practice. - \$5000</p> <p>Microscopes (10) - Medium priority - Used in clinical pathology, medical, surgical, breeding, and equine classes. Currently we do not have enough microscopes for each student to use one. - \$16,000</p> <p>Radiology CR System - medium priority - Provide additional lab activities and exercises for livestock and equine classes. - \$10,000</p> <p>*Lead: Dawn Waters</p>	<p>be utilized in the Medical Nursing and Surgical Nursing classes. Over 96 students will have the opportunity to use and maintain this equipment each semester. This equipment is found in nearly all working animal hospitals and it is imperative that our students know how to operate them properly. (05/21/2018)</p>

Unit Goals

Resources Needed

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

Type of Request: LOTTERY:
Instructional materials that are designed for use by pupils and their teachers as a learning resource and help pupils acquire facts, skills, or opinions or to develop cognitive processes.

Planning Unit Priority: High

In Progress - Maintain the General Farm Area

***Describe Plans & Activities**

Supported (Justification of Need):

Student labor budget – high priority – For three reasons the cost of student labor has escalated in recent years. 1) The current budget was set when minimum wage was \$7 per hour, it is now \$13 and will escalate to \$15 by 2022. 2) Due to academic support needs the herd has grown by a factor of 2x. 3) The amount of ‘free’ labor the farm gets from live-ons fluctuates based on the number of live-ons we have at any point in time - \$375,000 in ongoing funding to maintain current USDA mandated service levels

Drainage plan and implementation - medium priority - There are many drainage and erosion problems on the farm which are a focus of a Farm Master Plan that is pending formal approval. These issues impact our ability to use some of our facilities, particularly in wet winters. Flooding of the main barn impacts lab activities every time we get heavy or prolonged rainfall. The existing drain line cannot move the volume

Reporting Year: 2018-19

% Completed: 0

John Deere Gator - This vehicle has been acquired and is providing a valuable resource so that approx 15 students each semester who feed livestock have a safer method of delivering feed to pastures and remote locations.
Dump Truck - The farm's only dump truck had to be retired as it would no longer pass smog certification. This truck is vital for use in labs such as landscape construction, tractors, livestock production where dozens of students will be able to see how to safely and effectively use a dump truck. It will also be used to move mulch and other bulk materials to support farm and nursery projects and production work.
Fuel Tender - An existing farm vehicle was re-purposed by purchasing and installing a fuel transfer tank so staff can fuel equipment efficiently and more safely than using multiple small fuel cans hauled in a utility cart, which was our only option for several months while the tanks were procured and installed. (02/21/2019)

Reporting Year: 2017-18

% Completed: 25

Some key pieces of equipment were secured during the reporting period including a backhoe/loader combo tractor, a mini-excavator and one of the Bobcat attachments listed (the vertical auger). This machinery has greatly enhanced the experiences we can provide to students in the Equipment Technology class as they were able to install several hundred feet of drain line on the farm to reduce the amount of nuisance water that collects near the barn during rain events. This equipment is also instrumental in making work more productive on a daily basis versus old equipment. A trailer mounted water transport tank has

Unit Goals

Resources Needed

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

of water generated as run off from about 25 acres of pasture above the Equine Unit. There are at least six separate drainage infrastructure projects needed in various sections of the farm. A retention basin has been constructed as the backbone of this infrastructure however a larger drain line is needed to prevent continued overflow into the barns during hard rain events. \$8,000 (for materials only)
Other elements of this goal include installing culverts along Farm Road and diverting additional run off that floods the dry lot, vivarium and select trailer homes. \$45,000

Farm Road
maintenance/replacement - medium priority - Road base needs to be added to correct low spots in Farm Road as well as repaving in several locations. The roads are in need of repair and to allow for better drainage. This work will likely need to be phased in hopes we can secure annual funding in the amount of \$12,000 per year with a 10-year completion horizon.

Expanded Hay Storage Barn - high priority - Due to the loss of seasonal pastures south of Temple the farm is purchasing more forage than historically was necessary. Thus the current hay barn is too small to hold the different types of hay we need to store for different livestock. This additional barn would allow us to

been acquired to allow us to efficiently bring water to livestock in remote pastures and perform dust control. Portable swamp coolers have been acquired to make summer season outdoor labs more comfortable in shops as well as the pavilion to allow students to place maximum focus on the material not the weather. (05/17/2018)

<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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stock up on more hay mid-summer when prices are at their lowest, leading to an economy of scale savings for the farm over time. - \$65,000

Secure Koi Pond - medium priority - Due to after-hours use of the Koi Pond area where there is the potential for drug use and vandalism to restrooms it would be beneficial if this facility could be secured with decorative wrought iron fencing and gates so access after hours could be managed - \$8,500

Additional resources for agricultural water - high priority - Increases in water cost and availability, as well as loss of some of our best pasture lands, has led to increased need for water resources. We would like to install a well to capture and make use of water that is below the ground on campus. \$30,000

Poly Farm Fence (1000 feet) - low priority - to provide attractive fence and limit unauthorized access to livestock and equine areas along farm road. This will also help provide a second boundary for animal control. \$16,000

Additional live-on trailer spaces - low priority - 6 spaces where F5B used to exist, which will allow for better coverage of livestock care, equine care, and horticulture work. - \$10,000

Unit Goals

Resources Needed

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

Rehabilitate Animal Quarantine Area - high priority - needs repairs and maintenance to make it safe to house animals there. We currently have no good place to house sick or newly introduced animals that must be quarantined. We need to reconfigure and rehab these pens to create a true bio-secure quarantine facility for USDA requirements - \$50,000

Location and materials for bulk material bunkers for soil, sand, DG, and Gravel - medium priority - We currently have no place to house these materials, resulting in large piles of materials that are placed haphazardly and lack of availability of materials as they are needed. \$25,000

Agriculture Crawler Tractor with blade - medium priority - Currently brush management is impossible in certain areas to meet fire department regulations due to terrain. A crawler tractor will access these areas. Also, a crawler will assist with road maintenance and farm work. Due to the demand of diversity needs in equipment technology classes, a crawler tractor will fill the void of equipment operation and maintenance training and lab activities. \$55,000

Bobcat attachments - Hydraulic forks - low priority - Provide versatility for

<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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farm activities, equipment technology classes, and horticulture lab activities. Allow the demonstration of alternative ways to complete a task. - \$7,500
Bobcat Sweeper attachment - \$4440.00

Gas Powered Compressor - low priority - Provide compressed air to remote farm activities, construction, and equipment lab activities and general farm tasks. - \$2,000

Lowbed Equipment Trailer - low priority - To transport equipment and implements around the farm for agriculture activities - \$6,000

Pallet Jacks (4) - medium priority - to replace broken pallet jacks to safely move pallets of material for labs and farm activities. \$3,000

10 Ton Porta Power - low priority - For use in equipment repair, construction labs, equipment labs, and general farm work. - \$800

Irrigation infrastructure for pastures - medium priority - Current pastures are limited due to changes in land use and available feed for livestock is very limited. This will allow additional feed crops and longer grazing times in selected pastures. Manure handling would be reduced and livestock health would be better. - \$80,000

Unit Goals

Resources Needed

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

Water Bottle Filling Stations are needed at key points on the farm to provide water for employees (high priority)

***Lead:** Brian Scott, Bruce Carleton

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

Improving the aesthetics of the farm and improving the experience for students, employees and visitors. Student evaluations of labs at the farm should reflect a positive perception of the facilities.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High

One-Time Funding Requested (if applicable): 347000

On-Going Funding Requested (if applicable): 404000

Total Funding Requested: 805,000

In Progress - Horticulture Unit - Maintain a functioning nursery and horticulture unit to provide laboratory opportunities for our students.

***Describe Plans & Activities**

Supported (Justification of Need):

Repair and Update Greenhouses - high priority - Cooling systems, roofs, Heating systems, glazing, siding need to be repaired and/or updated in several of the greenhouses. Add shade to houses as needed. \$60,000 (this was completed this year 2019-

Reporting Year: 2019-20

% Completed: 0

We were able to purchase StepSaver Software, which will be used at the horticulture unit, in nursery management and propagation classes, and by work experience students, and will allow live greenhouse data to be shown in classrooms for analysis and education. (Funded by Perkins Grant)

We were also able to purchase 2 Hunter Water Audit Kits for use in irrigation design and construction classes to perform water audits. (Funded by Perkins Grant) (06/29/2020)

Reporting Year: 2018-19

% Completed: 25

<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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20 and will be added to closing the loop next PIE cycle)

Rehab of Koi Pond Liner – high priority – After 25 years it has become apparent that some of the original water feature streambeds are leaking a small but steady amount of water leaks into the soil. The original pond filter equipment is also leaking and cannot be repaired, the cracking is too severe - \$17,000

Add gravel to propagation and production areas as necessary - medium priority - Hanging basket area, propagation house aisles, etc. Gravel is thin and weeds and mud are starting to be a problem in these areas, this needs to be an ongoing site maintenance project. \$10,000

Replace Stake-bed Truck - medium priority - the existing stake bed truck is a 2002 model and the bed is in poor condition and it has 107K miles on it. It is no longer road worthy so can only be used on campus. It would be great to use a truck this size as a delivery vehicle and to go pick up small material orders etc. and used to support remote plant sales etc. - \$30,000

Renovate Greenhouse 2 to function as a propagation house – high priority - The market conditions and the limitations inherent in what we can grow within the space of the horticulture unit leads to the need to

Nursery Inventory Management System - a suite of software tools has been purchased, but has not yet been fully implemented. It will greatly strengthen our nursery management and greenhouse management classes as dozens of students and employees of the hort unit will be able to gain experience with a tool that all major growers already use.

Technical Expert to Rehabilitate Greenhouses - while only one third of the funding sought was funded, 360 labor hours have been procured for an experienced tradesman with specialized construction experience. The now closed fern grotto and dilapidated sales greenhouse will be a focus for this individual. The re-opening of the fern grotto and conservatory will mean plant ID, interior landscaping, and nursery management labs can once again use these spaces and the nursery staff can once again be proud to work with customers in a safe, attractive sales greenhouse.

Soil Mixer - a larger soil mixer has been purchased so that dozens of students in propagation, nursery production and greenhouse management labs can see how to custom formulate growing media for specific purposes and crops. This soil mixer is replacing one that could no longer be repaired and has not functioned in 2 years.

Infaco Powered Pruning Shears - this is technology that benefits the program by allowing arboriculture and equipment technology students see cutting edge technology in action which is commonly used in production situations to improve worker productivity and avoid repetitive motion injuries.

The 5 fertilizer injectors that we purchased will replace units which are no longer functioning and allow students to work with different brands and styles of injectors that are used in the industry.

The laser rangefinder, hand saws, and pruning tools will be used in arboriculture classes for training on tree care and health and safety assessment.

The Ground Fault Locator was purchased and used in irrigation classes to train students how to locate wire breaks.

A new permanent irrigation lab facility was installed in

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>focus on specialty crops and ones that traditional growers are not fulfilling. One such opportunity is production of grafted shade trees, which are in high demand in SoCal but are generally in short supply. In order to equip the unit to establish dominance in this niche market we need to retro-fit an existing green house with new climate control and production benches specifically engineered for plant propagation. The current propagation space is deteriorated and is in desperate need of replacement, the amount of propagation that can be completed at one time is also seriously limited due to the small facility. Our student assistants and lab participants would gain a much richer experience if a larger, more modern propagation facility can be provided. - \$38,000</p> <p>Replace antiquated irrigation control hardware – high priority – In order to provide a cutting edge educational experience a cloud-based water management system is essential. This will allow employees and student assistants to monitor irrigation schedules from smart phones, which is now commonly used technology in the nursery and overall landscape industry. This will allow our students to gain extremely valuable insight into crop production and gain meaningful experience in water management. - \$65,000</p> <p>Retire a fleet of aging and</p>	<p>Mesa Norte by the AGOR 63 class. This is the first of several lab stations that will be installed over the next few years. (02/21/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 25</p> <p>An enclosed cargo box and lift gate have been installed on a GMC truck chassis so that plants and other fragile material can be hauled at freeway speed without damage. It is also much safer to load heavier items with the powered lift gate it now features. This represents less than 10% of the entire goal for the horticulture unit (05/17/2018)</p>

Unit Goals

Resources Needed

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

inconsistent fertilizer injectors – high priority - plant nutrition is clearly a critical element in plant production. The current fertilizer injection devices we use are well over a decade in age and many malfunction on a regular basis. The goal is to retire all the old technology with different injectors that have fewer moving parts so will function more reliably over time. This conversion would also eliminate the large (and expensive) holding tanks we currently have to fill as we only need to add concentrated fertilizer to the injector reducing storage and material handling as well as providing more consistent crop growth. \$18,000

Grading and Terracing - medium priority - Due to the hillside topography of the hort unit there is significant erosion that occurs when it rains heavily or for prolonged periods. The re-contouring of soil and construction of retaining walls and storm water conveyances in the unit will provide better access to the nursery during a storm and reduce the amount of clean-up needed after a storm. This would best be considered a multi-year project - \$25,000 each of 8 - 10 years
Boundary fence between horticulture unit and Building 30 area. - medium priority - Due to open access, students enter from Bldg 30 causing damage to the horticulture areas. Also, the safety

Unit Goals

Resources Needed

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

risk of unauthorized entry is great to these students from the bldg 30 area. \$10,000

Retail nursery site at the corner of Temple and Grand - high priority - The property needs to be improved with utilities and structures to allow us to set up a retail nursery area in this prime location on campus. \$80,000

Miscellaneous hand tools - medium priority - Currently the hand tools for labs and projects are worn beyond repair. Replacement is needed to accommodate construction, irrigation, and nursery operations classes and work experience training. These are also used in equipment technology courses. - \$3,500

Sprayer equipment for IPM/Pest Control - medium priority - Currently the portable sprayers, etc are worn beyond repair. Replacement is needed to accommodate IPM classes, nursery operations, and work experience training. - \$4700

Hypro Gas Driven Diaphragm pump - high priority - To provide a back-up pump for the spray rigs, due to high demand of spray equipment and IPM classes. - \$1,800

Soil Samplers (19") These samplers are used in soils, turfgrass, arboriculture, and irrigation courses.

<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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The ones we have are worn and need to be replaced. (10 @ \$80) - \$800

Pesticide rinse water recovery and recycling facility - high priority - In an effort to support the overall goal of reducing environmental impacts of farm operations the construction of a tank rinse water capture/filter/storage cistern would not only reduce potential impact of farm operations but make pesticide applications less time consuming and enhance the educational opportunities since this would represent a cutting edge technology in the nursery industry - \$25,000

Water bottle filling stations are needed to provide water for employees - many of the hose bibs and other water sources are not potable water. \$10,000

Decibel Meter - For use in tractor / equipment and arboriculture labs to help educate students about the importance of using hearing protection when operating machinery. (\$220.00)

Propagation Supplies and Tools for use in propagation classes and work experience students at the horticulture unit. (\$4800.00)

Skid-Steer Sweeper - For use in equipment and work experience classes. Students could learn to use this equipment which is common on

Unit Goals

Resources Needed

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

landscape construction sites.
(\$4440.00)

Seed Germination Chamber and heat mat- To be used in propagation classes and by work experience students, allowing propagation labs to germinate seeds the way commercial growers do it.
(\$3300.00)

***Lead:** Brian Scott, Bruce Carleton

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

Improved student experience, credibly mimicking a commercial nursery operation so that students and landscape professionals will have confidence that we have a cutting edge facility to support and learn in. Student and customer feedback will reflect a favorable impression of the site.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High

One-Time Funding Requested (if applicable): 337000

On-Going Funding Requested (if applicable): 36000

Total Funding Requested: 373,000

Related Documents:

[Conservatory Rotted Beam.JPG](#)

In Progress - Equine Unit

***Describe Plans & Activities**

Supported (Justification of Need):

Stall Mats - high priority - the

Reporting Year: 2018-19

% Completed: 25

A Pasture Seed Drill has been ordered and will allow the north horse pastures to be seeded in order to provide fresh

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>existing mats are badly worn so soil or decomposed granite must be regularly added as makeshift patches, however the footing is inconsistent for the animals - \$8,500</p> <p>Equine feeders - high priority - New feeders are needed for the outdoor paddocks and horse pastures to provide clean and safe feed holding capacity for the horses. Currently they are fed on the ground, which can lead to digestive tract issues for animals that consume excessive amounts of soil or sand - \$4,000</p> <p>Automated Water Stations - high priority - Install animal-activated watering stations in pastures and paddocks with will provide clean and dependable water supply for the animals without the need for constant maintenance of the troughs where stagnant water grows algae and requires labor the farm cannot afford with the rising cost of student labor. - \$8,000 (this was completed this year 2019-20 and will be added to closing the loop next PIE cycle due to covid 19)</p> <p>Pasture gates and fencing need replacement - High priority - Gates and fence do not meet USDA requirements for animal access and safety. - \$4,000</p> <p>3-4 Horses for equine courses - high priority - Several animals are aging to the point they are no longer able</p>	<p>forage for horses. This will improve the experience for employees as well as approx 96 students who will have lab activities that include some pastures, some of which are now true pasture instead of current dry lot. (03/12/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 25</p> <p>A John Deere Gator utility vehicle has been secured which is for exclusive use of the Equine unit staff and Student Assistants to make feeding and cleaning stalls etc. more efficient. No other resources were added during the rating period so this goal is less than 10% complete (05/17/2018)</p>

Unit Goals

Resources Needed

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

to be used for some purposes. Further, they have special dietary needs so are increasing operational costs. An infusion of fresh blood will benefit labs for horse behavior and training and horse ranch management classes - \$12,000

Hot Walker - medium priority - The existing unit is no longer functional and with a herd of 25 animals and limited staff, a hot walker will allow the Equine Unit to provide more consistent exercise to the herd as well as equipping the unit with a piece of equipment that virtually every horse ranch has. Our Horse Ranch Management program is falling short by not having access to this essential equipment; approx 96 students per year would benefit from this purchase - \$20,000

Equine Skeleton - medium priority - The existing skeleton model is weathered and deteriorated. Replacement would greatly improve the lab experience and help students visualize the equine anatomy much better and more effectively provide a study resource for horse ranch management and anatomy classes - \$14,300

3 Horse slant trailer - medium priority - We currently borrow trailers to transport horses for shows, parades, and any activity requiring horse movement. USDA requires an emergency plan to

<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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relocate animals in an emergency, and we have no trailer on hand to move the horses correctly and safely. - \$20,000

Announcer Tower - low priority - The announcer tower is needed for equine events held on campus, and would allow us to bring in more income for equine events. \$10,000

Lighting - low priority - There is currently no lighting at the horse arena. The arena cannot be used for nighttime practice or events without lighting. Power would also need to be added to the area where lighting would be installed. \$25,000

Bleachers - low priority - The small bleachers we have are not adequate for the crowds that gather for events, and bleachers would enable us to accommodate more spectators for show team events and other special events. - \$16,000

Saddles and Tack for equine unit - low priority - To allow students to ride and show horses. A class set is needed. \$5,000

Hormone analysis machine for equine/livestock pregnancy checking / health check - low priority - Used for livestock pregnancy, and to provide additional lab activities and exercises for equine and livestock classes. We do not currently have one. - \$8,000

Unit Goals

Resources Needed

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

Loafing sheds for all outdoor pasture (6) - \$45,000 for all 6. Natural shade has been removed from many of the horse pastures due to disease and other natural conditions. Horses no longer have shade during the heat of the day. Shade is mandated by USDA and must be available to all horses.

Water bottle filling station is needed to provide water for employees and students.

***Lead:** Dawn Waters, Bruce Carleton

What would success look like and how would you measure it?: Have more animals available for use in a broader range of courses. Enrollment in Horse Ranch Management should increase as more 'hands-on' training and riding opportunities will exist. Expansion of the show team using our own animals would be a huge benefit to our program marketing efforts.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: Medium
One-Time Funding Requested (if applicable): 260000

On-Going Funding Requested (if applicable): 55000

Total Funding Requested: 315,000

In Progress - Swine Unit

***Describe Plans & Activities**

Supported (Justification of Need):
Full-time Livestock Production

Reporting Year: 2017-18

% Completed: 25

The only resource that was acquired during the rating period was the construction of a feed storage shed to allow

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>Assistant – high priority – Currently the Livestock Technician manages the Beef, Sheep and Swine units with only part-time student assistants to perform most chores and monitor animal breeding program. \$72,000</p>	<p>bagged hog feed to be protected from the elements as it is stored until use. This represents less than 10% of the overall resource goal for the unit. (05/17/2018)</p>
	<p>20 stall mats - high priority - required by USDA for padding in animal pens - \$600</p>	
	<p>Sow Pens need to be rehabilitated - high priority - Pens are in need of repair and do not meet USDA standards. They must be upgraded for USDA compliance. \$342,000</p>	
	<p>Improve drainage in Swine Unit - high priority - Significant flooding and erosion occurs during heavy or prolonged rainfall events; a catch basin and piping to route this water to an existing culvert will improve conditions for the swine as well as the areas south of it - \$8,500</p>	
	<p>Swine Electronic Scale - medium priority - To provide educational opportunity for students to learn how to handle and weigh pigs with a digital scale. - \$3,000</p>	
	<p>Climate management system review/refurbishment - medium priority - Temperature and humidity sensors in use since original construction no longer seem to be providing fully accurate feedback to the control system so the performance of the system is erratic</p>	

Unit Goals

Resources Needed

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

at times. Testing and/or replacement of most sensors is warranted to optimize the performance of the climate control system for the farrowing room and nursery. approx 48 Swine production students will benefit from seeing this system in action - \$1,500

Gas heaters are needed for the market pens. - medium priority - There are currently no heaters, and the market pigs must be kept warm. We are currently using portable heat lamps, which can be less effective and more prone to damage than fixed heaters. Gas lines need to be installed before the heaters can be installed. \$10,000

Hog clippers - low priority - for livestock showing and lab activities. Multiple sets required for student use in labs. - \$800

Small scales for labs - low priority - For use in production / handling classes to weigh small animals (including piglets, lambs, chickens, rabbits) feed, etc during lab activities. - \$670

***Lead:** Audra Lopez, Bruce Carleton

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

Enhanced student experience and compliance with USDA and IACUC animal care standards

Unit Goals

Resources Needed

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

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High
One-Time Funding Requested (if applicable): 367000
On-Going Funding Requested (if applicable): 72000

Total Funding Requested: 439,000

In Progress - Sheep Unit

***Describe Plans & Activities**

Supported (Justification of Need):
Lambing pen panels - high priority - Due to expansion of our breeding program we do not have enough panels to construct enough of these critical but temporary enclosures to help successfully bond lambs and ewes right after they are born - \$5,500

Aeroway pasture aerator - high priority - For use in livestock pastures for improved management, production labs, and equipment technology labs. - \$11,400

Dry lot needs shade structure - high priority - Livestock must have shade per USDA regulations. Also, during labs no shade is available for student safety during hot months.. \$9000

Dry Lot equipment - high priority - Due to expansion of our breeding program the dilapidated sorting chute is too small and has components that are rusting through

Reporting Year: 2017-18

% Completed: 0

None of these needed resources have been acquired during the reporting period. (05/17/2018)

Unit Goals

Resources Needed

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

- \$6,700

Establish a larger Sheep Dry Lot - medium priority - The vacant area south of the Swine unit would be an ideal location to establish a larger sheep dry lot. This would support the effort to expand our herd of ewes and produce in excess of 100 lambs per year to provide stock for 4-H/FFA which is a growth market for us - \$45,000

Sheep feeders - low priority - New feeders are needed to provide clean, safe, and efficient feeding areas for the sheep. - \$3,000

Show Box - low priority - Used to transport and store livestock and equine show products. \$1,500
Aeroway pasture aerator - high priority - For use in livestock pastures for management training, production labs, and equipment technology labs. - \$11,400 (this item was completed this year 2019-20 and will be added to closing the loop next year due to covid 19)

***Lead:** Maya Padilla, Bruce Carleton

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

Enhanced student experience and improved compliance with USDA and IACUC animal care standards

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations

<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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to specific rooms or operational areas.

Planning Unit Priority: Medium
One-Time Funding Requested (if applicable): 82000
On-Going Funding Requested (if applicable): 0
Total Funding Requested: 82,000

In Progress - Beef Unit
***Describe Plans & Activities Supported (Justification of Need):**
 Pasture gates and fencing need replacement - high priority - Gates and fence do not meet USDA requirements for animal access and safety. - \$4,000

Dry Lot needs shade structure - high priority - Livestock must have shade per USDA regulations. Also, during labs no shade is available for student safety during hot months. - \$9,000

Dry Lot Fencing and gates need upgrading or replacement. Dry lot needs to be rebuilt. - medium priority - Current fencing is not adequate for livestock containment and safe access and handling of animals, including loading and unloading. \$100,000

Cattle show barn - medium priority - With the relocation of the dogs and lab animals to the renovated small animal care facility the vivarium is now vacant. This building already has interior drainage and would be ideal for a climate controlled wash rack and grooming area. It also has

Reporting Year: 2018-19
% Completed: 0
 While not tied to any one goal, it is worth noting that at the Porterville Livestock Show in March of 2019 the Mt SAC show team won 4 of the 5 judging classes they were entered in, including two supreme champion animals. Thus it is clear that the program, under the care of Larry Poncetta, has made dramatic strides forward (04/16/2019)

Reporting Year: 2017-18
% Completed: 25
 The purchase and installation of a new cattle chute and squeeze has been completed so livestock production and handling classes have the experience of using this equipment to treat and sort cattle. (05/17/2018)

Unit Goals

Resources Needed

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

covered outdoor stalls so the needed modifications are superficial for the most part. The Mt SAC Livestock Show Team would do as much of the work as possible themselves, thereby taking ownership of the project and benefit by converting the space so the show animals can be worked with more regularity in terms of washing and fitting club and registered angus calves for shows. In this we can accelerate the building of the Mt SAC brand in the livestock industry. It would also free up space at the pavilion as animals and supplies could be moved to the vivarium so that gear can be organized better; storage space is at a premium currently at the pavilion. - \$25,000

Cattle Feeders - low priority - new feeders are needed to provide clean, safe and efficient feeding areas for the cattle. - \$3,000

Concrete water troughs - low priority - Install concrete water troughs in pastures with permanent water supply will provide clean and dependable water supply for the livestock pastures, which will help meet USDA requirements and Vector Control regulations. - \$8,000

***Lead:** Jamie Phillips, Bruce Carleton
What would success look like and how would you measure it?: Provide the show team a team project and

<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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foster participation by more students and assist in promoting the show team for prospects looking for a college to enroll in.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: Medium
One-Time Funding Requested (if applicable): 150000
On-Going Funding Requested (if applicable): 0

Total Funding Requested: 150,000

In Progress - Equipment Technology
***Describe Plans & Activities**

Supported (Justification of Need):
 Equipment Maintenance Technician – high priority - Maintenance intervals for equipment (particularly lubrication of pivot joints on loaders, backhoes) are not monitored as carefully as they could be. A part time Tech Expert (10 hours per week) that could focus exclusively on tracking operating hours on equipment and performing maintenance work on the equipment would extend the operating lives of equipment and reduce overall farm costs in the long run. A person with diesel mechanic background that wants a second income would be perfect for this role. – \$12,500 per year

Covered Storage for Implements - high priority - Several implements are stored out doors currently which

Reporting Year: 2017-18
% Completed: 0
 None of these resources have been acquired during the rating period. (05/17/2018)

<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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leads to unnecessary deterioration due to rust and ultra-violet deterioration of hoses and paint, shortening the effective lifespan of the equipment. - \$18,000

Sound Level meter - medium priority - allow students in equipment operation labs to experience what damaging noise really sounds and feels like so they are better equipped to know when to use hearing protection when they work with different tools/machines - \$100

Storage cabinets in Shop in F3 repair bay, and modify/repair lube racks and components - medium priority - No storage is currently available in the shop for materials and supplies. Current lube rack system leaks and does not function properly. \$5,000

Tool Boxes / Tools - low priority - To replace tools for equipment repair and equipment technology labs including tool boxes to store the tools. Used for equipment technology labs and work experience. - \$6750

We need classroom and laboratory space to house our equipment courses. Building F7 was converted to the Makerspace, and although the college promised classroom and laboratory space to replace it, this has not materialized. Cost Unknown.

Unit Goals

Resources Needed

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

Dedicated area for practice using tractors and large equipment - with no underground infrastructure.

***Lead:** Bruce Carleton

What would success look like and how would you measure it?: A better organized and equipped space to teach equipment technology classes to enhance the student experience

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: Medium

One-Time Funding Requested (if applicable): 30100

On-Going Funding Requested (if applicable): 12500

Total Funding Requested: 42,600

In Progress - Ag Literacy Trail - The Ag Literacy trail will be a way to increase Agriculture literacy within the community, promote and bring awareness to our programs, and provide laboratory opportunities for our students.

***Describe Plans & Activities**

Supported (Justification of Need): This includes improvement of multiple sites throughout the farm. Refer to Ag Literacy trail plan for details.

Materials and labor to complete the container demonstration area

Website for online data

***Lead:** Brian Scott

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

Reporting Year: 2018-19

% Completed: 75

Installation of the stands for the Literacy Trail signs has begun. (03/24/2019)

Reporting Year: 2017-18

% Completed: 75

Most of the frames for the signs have been constructed and painted. The next step will be finishing and installing them through out the farm to improve the educational component of the Ag Literacy Trail for the several thousand community members and students who tour the farm every year. (05/23/2018)

<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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stop on the Ag Literacy Trail would have signage and be linked to a website to make it possible for unguided tours of the farm to take place

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: Low
One-Time Funding Requested (if applicable): 50000

Total Funding Requested: 50,000

In Progress - Demonstration Areas

***Describe Plans & Activities**

Supported (Justification of Need):

Fern Grotto needs to be refurbished - High priority - The pond is leaking and is currently unusable. Irrigation is not functioning properly. Plant specimens in hanging baskets are falling down, and materials, plants, and labor are needed to refurbish this area. The specimens in this area are crucial plants for our identification classes, and the ecosystem must be maintained to keep these plants healthy. \$6,000

Bromeliad tree in Conservatory needs to be replaced/refurbished. The existing log is rotting out and bromeliad diversity needs to be restored. \$1,000

Test site for CLCA and lab classes - \$10,000

Unit Goals

Resources Needed

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

Ground cover identification plots - permanent separated plots are needed for permanent maintenance and ID of multiple species of groundcovers. \$5,000

Tree demonstration lab area - Due to reduced diversity on campus, an area is needed to grow specimens of landscape trees and allow for use of these trees in labs. \$10,000

***Lead:** Brian Scott

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

Diversity of plant material used in identification courses would be restored and the plant material could be used for classes. .

Plant collections could be maintained with the proper environmental conditions.

Damage to the landscape and buildings around the Koi Pond area would stop, and the Koi Pond area would be restored to be used for classes.

We would have a safe space for students to learn to use large equipment without fear of damaging unknown underground utilities.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: Medium
One-Time Funding Requested (if applicable): 32000

Total Funding Requested: 32,000

Unit Goals	Resources Needed	1. Where We Make an Impact: Closing the Loop on Goals and Resources
	<p>In Progress - Dog Kennels</p> <p>*Describe Plans & Activities Supported (Justification of Need): Fly Guard system is needed. - We need this system for vector control and health of the animals and students. It will bring us up to the standards required for LA County Health Department and USDA. - \$2000</p> <p>Dog Run - high priority - we need to install a fenced in area with grass outside of the kennel area for the dogs to use as needed. \$2,000</p> <p>*Lead: Gary Uyeno, Bruce Carleton</p> <p>What would success look like and how would you measure it?: Functional kennels that meet USDA and AVMA requirements.</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): 4000</p> <p>Total Funding Requested: 4,000</p>	<p>Reporting Year: 2018-19</p> <p>% Completed: 75</p> <p>The re-purposing of the Raptor Care center (F5B) has been completed and animals that used to be housed in the Vivarium are now kept in the new Small Animal Care Facility. It includes exam tables and food prep area and an office for RVT staff. (04/19/2019)</p> <hr/> <p>Reporting Year: 2017-18</p> <p>% Completed: 25</p> <p>The new dog kennel area will be located in the building originally planned for raptor rehabilitation and then for small animal care. The college has assigned a project manager and has set aside strong workforce initiative money for the completion of this project, which is projected to be December 2018. (05/23/2018)</p>
	<p>In Progress - Small Animal Care Facility</p> <p>*Describe Plans & Activities Supported (Justification of Need): Landscaping - low priority - Landscaping was never installed around this building after construction, and is needed to prevent erosion and enhance the facility. \$6,000</p>	<p>Reporting Year: 2017-18</p> <p>% Completed: 100</p> <p>Due to the relocation of the Dog Kennels to this facility, there will no longer be a small animal care facility. (05/23/2018)</p>

Unit Goals

Resources Needed

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

Rat Cages - high priority - and related supplies for RVT program - \$2,200

***Lead:** Maya Padilla, Bruce Carleton

What would success look like and how would you measure it?: Facility must be functional and meet AVMA and USDA requirements for small animal care.

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High
One-Time Funding Requested (if applicable): 8200

Total Funding Requested: 8200

In Progress - Composting Facility

***Describe Plans & Activities**

Supported (Justification of Need):

Dedicated Space
12" Chipper or tub grinder - medium priority - We will need a chipper in order to compost/mulch campus green waste for re-use on the farm and grounds. - \$35,000

Compost Turner - medium priority - We will need an articulating wheel loader to process material as it is goes through the compost process in order to compost campus green waste and manure for re-use on the farm. - \$60,000

***Lead:** Brian Scott, Bruce Carleton

What would success look like and how would you measure it?: We must have a functioning compost facility.

Reporting Year: 2017-18

% Completed: 0

No progress has been made because no funding has been obtained at this point. However, this composting facility has been included in the College's sustainability plan. (05/02/2018)

Reporting Year: 2016-17

% Completed: 0

No progress has been made because no funding has been obtained at this point. (06/22/2017)

<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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Process campus green waste, reducing waste that leaves the property.
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: Medium
One-Time Funding Requested (if applicable): 95000
Total Funding Requested: 95,000

<p>Secure Funding - Budget Increase - The status quo budget has not been increased in many years, and budgets for instructional materials, student labor, equipment, etc are insufficient for the current need and do not allow for growth. Seek funding from Grants such as Perkins. Status: Active Goal Year(s): 2016-17, 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: 2018-19 % Completed: 100 During the 2018-2019 year we received funding from 2 different grants. Through the Perkins Grant we received funding for lab equipment, professional development, student lab assistants, marketing, and textbooks. Horticulture received \$56,500 which was used to purchase a soil mixer, software and tablets for nursery inventory control, battery operated pruning shears, laser level kits, a breaker hammer, fertilizer injectors, textbooks for reserve, and to pay for student lab assistants and professional development for faculty . Animal Science and RVT received \$ Through the Tree Care Industry Association Foundation's "Gear Up" grant the horticulture program received \$5000 worth of power equipment from the Stihl Company to use in lab courses. We also received lottery funding which was used to purchase hand tools and equipment such as a laser rangefinder for laboratory courses such as Urban Arboriculture. (AGOR 75) (02/22/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 0 The horticulture program received approximately \$28,000 from the Perkins Grant this year for lab equipment,</p>
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<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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Report directly on Goal	professional development, student lab assistants, and textbooks. The RVT and Animal Science programs received approximately \$18,000 (05/02/2018)
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In Progress - Status Quo budget increase for instructional supplies *Lead: Brian Scott Planning Unit Priority: High One-Time Funding Requested (if applicable): 30000	
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In Progress - Develop a district budget to cover the actual costs of maintenance and replacement of laboratory equipment, facilities maintenance, farm supplies, feed for animals, vehicle replacement, and outside veterinary services. *Lead: Bruce Carleton What would success look like and how would you measure it?: Success would mean we do not have the need to regularly fill out Immediate Needs Requests or try to find money in a district account to take care of these routine, anticipated items Planning Unit Priority: High One-Time Funding Requested (if applicable): 100000	
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In Progress - Procedure to sell constructed projects such as chicken coops, garden sheds, etc. built in the Construction Classes. *Lead: Brian Scott What would success look like and how would you measure it?: Our construction classes would be able to construct and sell items at plant sales, farmers markets, etc. and use the funds to purchase additional instructional equipment and supplies	
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<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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for the class.
Planning Unit Priority: High
In Progress - Budget for small equipment with a price between \$500.00 and \$1000.00.
***Lead:** Brian Scott
What would success look like and how would you measure it?: We would have a fund every year to budget small equipment that we cannot purchase with instructional equipment money, thus improving our efficiency to maintain adequate equipment for proper lab instruction.
Planning Unit Priority: Low
One-Time Funding Requested (if applicable): 10000

<p>Program Promotion - Improve marketing by improving our website, offering community events, Ag Literacy Trail, Attending career fairs, etc. Status: Active Goal Year(s): 2016-17, 2017-18, 2018-19, 2019-20, 2020-21 Date Goal Entered (Optional): 09/01/2016</p>	<p>Report directly on Goal</p> <hr/> <p>In Progress - Host Ag Field Day *Lead: Audra Lopez What would success look like and how would you measure it?: This budget would allow us to not have to look for outside sources of funding to host several hundred high school FFA students for Ag Field Day every spring Planning Unit Priority: High One-Time Funding Requested (if applicable): 300</p> <hr/> <p>In Progress - Host Farm Day</p>	<p>Reporting Year: 2018-19 % Completed: 25 We updated and re-designed our program brochures this year so that we have materials to distribute that look nice and represent our programs in a positive manner while providing up to date information. This was funded through Perkins. It will allow our Ag Ambassadors to distribute materials to schools, career fairs, and other events that they attend. (03/24/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 100 We successfully hosted Ag Field Day on April 7, 2018. 87 students from 20 different High School FFA programs attended the Veterinary Science event. (05/02/2018)</p> <hr/> <p>Reporting Year: 2018-19</p>
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<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>*Lead: Jamie Phillips</p> <p>What would success look like and how would you measure it?: This money would allow the Ag Department to continue to offer Farm Day without charging an entrance fee to the community. Last year (2019) we had over 8,000 people attend the event and it is growing every year. It has become one of the most successful annual events on campus and the college should support this activity. It is not a fund raiser. It is a community outreach and marketing event.</p> <p>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.</p> <p>Planning Unit Priority: High</p> <p>On-Going Funding Requested (if applicable): 4000</p> <p>Total Funding Requested: 4,000</p>	<p>% Completed: 25</p> <p>We had over 3,500 people attend Farm Day this year on May 4. We still do not have a source of funding for this event, but we are seeking help from the Orange County Farm Bureau. They funded the shirts for Farm Day this year in the amount of \$3,000 (05/31/2019)</p> <hr/> <p>Reporting Year: 2017-18</p> <p>% Completed: 100</p> <p>We successfully hosted Farm Day on May 5, 2018. (05/02/2018)</p>
<p>Maintain Relevant Programs - Maintain relevant Programs</p> <p>Status: Active</p> <p>Goal Year(s): 2017-18, 2018-19, 2019-20, 2020-21</p> <p>Date Goal Entered (Optional): 06/16/2017</p>	<p>Request - Full Funding Requested - Accreditation of RVT Program</p> <p>*Lead: Dawn Waters</p> <p>What would success look like and how would you measure it?: Our RVT program would be able to continue to operate.</p> <p>Type of Request: LOTTERY: Instructional materials that are designed for use by pupils and their teachers as a learning resource and help pupils acquire facts, skills, or opinions or to develop cognitive processes.</p>	

Unit Goals

Resources Needed

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

Planning Unit Priority: High
On-Going Funding Requested (if applicable): 10000
Total Funding Requested: 10,000

In Progress - Maintain Advisory Committees

***Describe Plans & Activities Supported (Justification of Need):**

Food for advisory committee meetings (Horticulture, Animal Science, and RVT) - \$1000

***Lead:** Brian Scott

What would success look like and how would you measure it?: Our advisory committees would continue to have representation from all aspects of industry and maintain 10-20 active members.

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): 1000
Total Funding Requested: 1,000

Reporting Year: 2018-19
% Completed: 100

Each of our advisory committees met twice this year. The horticulture advisory committee is always a valuable resource, and they played a huge part in the planning and success of our Horticulture Career Night this year. Members of our Advisory Committee also helped us with planning for our horticulture unit, future program and curriculum additions, and assisted students with the Spring Garden Show, We received funding through the Perkins Grant to pay for the food for our advisory committee meetings. (03/24/2019)

Reporting Year: 2017-18
% Completed: 100

Each of our advisory committees met twice this year. The horticulture advisory committee is always a valuable resource, and they played a huge part in the planning and success of our Horticulture Career Night this year. Members of our Advisory Committee also helped us with planning for our horticulture unit and assisted students with the Spring Garden Show, We received funding through the Perkins Grant to pay for the food for our advisory committee meetings. (05/02/2018)

Reporting Year: 2016-17
% Completed: 100

Each of our advisory committees met twice this year. The horticulture advisory committee is always a valuable resource, and they played a huge part in the planning and success of our Horticulture Career Night this year. We received funding through the Perkins Grant to pay for the food for our advisory committee meetings. (06/27/2017)

In Progress - Faculty and Staff

Reporting Year: 2018-19

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>*Describe Plans & Activities</p> <p>Supported (Justification of Need):</p> <ol style="list-style-type: none"> 1. 12 Month RVT Director - AVMA has strongly recommended that the director for the RVT program needs to be available 12 months out of the year. Our director recently received additional release time but the position needs to be a 12 month position. \$120,000 2. Need to add a full time horticulture professor - We currently have over 30 LHEs per semester in Horticulture that are being taught by adjunct faculty. Full time faculty are able to contribute much more to administrative duties and student support. - \$100,000 3. Full time Livestock Production / Farm Operations Assistant (2 positions) -We currently have only one full-time Production Specialist assisting 6, soon to be 7, full time faculty and numerous part time faculty lab activities. but the hours needed to support lab activities and farm operations are well beyond a 40 hour work week. \$62,000 each (\$124,000) 4. Change the part time Horse Trainer to a full-time Equine Specialist in order to accomplish the task of being able to manage the unit and train horses to be used by students in lab classes. \$66,000 5. Full Time RVT (3rd) - New AVMA Accreditation rules is that we have trained staff in all classes that use live animals in them. The following ratios need to be followed: 1:8 ratio 	<p>% Completed: 25</p> <p>We were able to fill the open Animal Science Professor position this year.</p> <p>We also hired several student lab assistants through Perkins Grant funding, to assist students in lab activities. These student assistants are required by AVMA for our accreditation, but there is still no district funding for these positions. (03/24/2019)</p> <hr/> <p>Reporting Year: 2017-18</p> <p>% Completed: 0</p> <p>We were able to hire a second Veterinarian this year to increase the offerings in our RVT program. This was funded through Strong Workforce funding.</p> <p>We also hired several student lab assistants through Perkins Grant funding, to assist students in lab activities. These student assistants are required by AVMA for our accreditation, but there is still no district funding for these positions. (05/02/2018)</p>

Unit Goals

Resources Needed

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

for labs with live animals and 1:12 ratio for labs that do not have live animals \$80,000

6. Student Lab Assistants - These lab assistants are required for student and animal safety. In order to keep our accreditation with AVMA, we are required to maintain lab assistants in a 1-8 ratio when live animals are used, and a 1-12 ratio for all other lab courses. There is currently no district funding for them, although this will be an ongoing cost and cannot permanently be funded through Perkins grant. \$50,000

Status Quo Student labor budget increase - high priority- The current budget is not sufficient - minimum wage has gone up considerably and the size of the laboratory facilities have increased, but the student labor budget has never been increased. - \$74,000

7. We need funding for compensation for classified staff for hours required for workload over and above the normal work hours. - High priority - Compensation is not available for our classified staff for hours required for workload over and above the normal work hours. - \$5,000

8. Coordinator for Ag Ambassadors, Farm Day, and other major events. A permanent coordinator is needed to maintain the Ag Ambassador program, Farm Day, and other major department events. Faculty do not have enough time to coordinate these events on top of their regular

Unit Goals

Resources Needed

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

duties.- \$50,000

***Lead:** Brian Scott

What would success look like and how would you measure it?: Our LHE of lab classes has increased significantly over the past 5 years. Our support positions have had no increase in that same time frame. These positions are necessary as our current situation is not sustainable and we will need to reduce course offerings without adequate support staff

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

Planning Unit Priority: High
On-Going Funding Requested (if applicable): 669000

Total Funding Requested: 669,000

Related Documents:

[2019-20 PIE bs 5_28_19.xlsx](#)

In Progress - Professional Development

***Describe Plans & Activities**

Supported (Justification of Need):
AVTE Symposium - Required for AVMA accreditation every other year. 3 faculty must attend. \$6,000
CATA Summer Conference - 2 faculty must attend each year. Allows faculty to stay up to date with the current standards and state level curriculum for agriculture and to network with other Ag teachers from high schools and colleges across the state. \$3,000
STMA Conference - 2 Faculty coaches need to attend to support

Reporting Year: 2018-19

% Completed: 50

Faculty attended several conferences this year. 2 faculty attended the STMA conference and supported the Turf Team in their competition at the same time. 1 faculty member attended the CATA Summer Conference in order to keep up to date on new trends and efforts in Ag Education. 1 faculty member attended the Street Tree Seminar Western Tree Symposium to keep up with trends in Arboriculture. The RVT faculty also attended several conferences to keep up to date and maintain their licenses. We still do not have a source of funding for classified staff or supervisors, so this is still an area of need. (03/24/2019)

Reporting Year: 2017-18

% Completed: 0

Faculty attended several conferences this year. 2 faculty attended the STMA conference and supported the Turf

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
	<p>the students competing in the Student Challenge and to keep up to date on industry standards. \$2,700 Western Veterinary or Pacific Veterinary Conference - 3 faculty must attend. - Required for continuing Education for all RVT and DVM licenses. \$4,500 North American Veterinary Conference - This conference will help us modify and update the curriculum for the RVT program and keep us abreast of new technology and research in the field. Three faculty must attend because it is required for continuing education for the maintenance of RVT and Veterinary licenses. - \$7,000 CATA Midwinter Institute - Specifically designed for community college Agriculture faculty. \$200 C&T Funding for classified staff and supervisor - There is no funding available for classified staff and supervisor, but our staff need to stay up to date in their industries, since this is a vocational program. - \$1,000</p> <p>*Lead: Brian Scott, Jennifer Hinostroza, Dawn Waters</p> <p>What would success look like and how would you measure it?: Faculty must attend these conferences. Faculty will report information back to the department as a whole.</p> <p>Type of Request: PROFESSIONAL & ORGANIZATION DEVELOPMENT (POD): Requests that provide professional learning opportunities for Mt. SAC employees.</p> <p>Planning Unit Priority: High</p>	<p>Team in their competition at the same time. 2 faculty attended the CATA Summer Conference in order to keep up to date on new trends and efforts in Ag Education. 1 faculty member attended the Street Tree Seminar Western Tree Symposium to keep up with trends in Arboriculture. The RVT faculty also attended several conferences to keep up to date and maintain their licenses.</p> <p>We still do not have a source of funding for classified staff or supervisors, so this is still an area of need. (05/02/2018)</p> <hr/> <p>Reporting Year: 2016-17</p> <p>% Completed: 50</p> <p>Faculty attended several conferences this year. 2 faculty attended the STMA conference and supported the Turf Team in their competition at the same time. 2 faculty attended the CATA Summer Conference in order to keep up to date on new trends and efforts in Ag Education. 1 faculty member attended the Street Tree Seminar Western Tree Symposium to keep up with trends in Arboriculture. The RVT faculty also attended several conferences to keep up to date and maintain their licenses.</p> <p>We still do not have a source of funding for classified staff or supervisors, so this is still an area of need. (06/27/2017)</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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On-Going Funding Requested (if applicable): 24400
Total Funding Requested: 24,400
In Progress - Marketing
***Describe Plans & Activities**
Supported (Justification of Need):
 Animal Science Brochures need to be re-designed and printed. \$1,500
 Student Assistants to work as Ag Ambassadors - visit local high schools, career fairs, and other shows and events for recruiting. - \$3,200
 Host Ag Field Day - We have minor costs associated with hosting this annual event, and we need to have access to facilities to hold the event - \$350
 Host Farm Day - \$4,000
 Ag Literacy Trail - The Ag Literacy trail will be a way to increase Agriculture literacy within the community, promote and bring awareness to our programs, and provide laboratory opportunities for our students. \$50,000
***Lead:** Audra Lopez - Ag Field Day
 Jamie Phillips - Farm Day and Ag Literacy Trail
 Maya Padilla - Ag Ambassadors and Brochures
What would success look like and how would you measure it?: We will have brochures to distribute
 We will offer Ag Field Day
 We will offer Farm Day

Reporting Year: 2018-19
% Completed: 75
 We hired students as Ag Ambassadors with funding from the Orange County Farm Bureau Endowment. These students visited high schools, career fairs, gave farm tours, and attended and other events to promote awareness of our programs.
 We revised and updated our program brochures using funding from the Perkins grant.
 Farm Day brought in many community members to see our facilities and our programs.
 The Horticulture Club's participation in the South Coast Plaza Garden Show provided an opportunity to market our programs and show off our students' abilities.
 (03/24/2019)

Reporting Year: 2017-18
% Completed: 0
 We hired students as Ag Ambassadors with funding from the Orange County Farm Bureau Endowment. These students visited high schools, career fairs, gave farm tours, and attended and other events to promote awareness of our programs.
 87 students from 20 schools attended Ag Field Day, and were able to see our facilities and meet faculty.
 Farm Day brought in many (over 3,200) community members to see our facilities and our programs.
 The Horticulture Club's participation in the South Coast Plaza Garden Show provided an opportunity to market our programs and show off our students' abilities.
 (05/02/2018)

In Progress - Curriculum
***Describe Plans & Activities**
Supported (Justification of Need):
 TOP code review - We need to

Reporting Year: 2018-19
% Completed: 50
 We completed 4 year review for several courses.
 We began the process of revising the Agri-Technology

<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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review and adjust program and course TOP codes to make sure that they are accurate Many reports are based on this data, and if course and program data is not accurate or doesn't match up, the reports are less useful. This process has been started, but has not been completed for all programs. Horticulture programs and courses are complete. We plan to revise our curriculum, degrees, and certificates as laid out in our Educational Master Plan Due to COVID-19, faculty are having to convert all possible courses to an online format. Time, training, support, and technology are needed to support this process. Due to COVID-19 All courses must be submitted as distance learning courses, at least under FOMA. This will be time consuming due to the number of courses within our department. Faculty will need time to do all of this work.

***Lead:** Brian Scott
What would success look like and how would you measure it?: We would be able to gather relevant information about our courses through reports that are already standard reports. We would have programs that fill an industry need. We would be able to continue offering courses in a safe format while maintaining as much of the integrity of the courses as possible.
Type of Request: RESEARCH

degree to make it more valuable to those who wish to go into Ag education and improve the ability for students to transfer into Ag Ed programs. It has not been reviewed by the curriculum committee yet. This effort is part of our educational master plan. We also began review of Ag Business state level curriculum to determine what we could incorporate into our programs. This was also part of the educational master plan. We completed code alignment for both RVT and Horticulture courses and programs. For horticulture, we have begun to assess what to add to our curriculum to support the growing cannabis production industry in California. (03/24/2019)

Reporting Year: 2017-18
% Completed: 25
 We have merged the content of AGOR 4 and AGOR 5 into one class, AGOR 5. We modified Park and Sports Turf Management A.S. degree to reduce the required units to 34 core course units. We modified the I.P.M. degree to include more choices of electives of core courses and removed some of the biology course electives. The Park Management certificate was modified to take into account the merging of AGOR 4 and 5. The Equipment Technology Degree and Certificate were deactivated due to industry changes not requiring these for employment any longer. Planned Pathways were completed for all degrees and certificates. The RVT Program is on the verge of completing an application process for admission into that program. The program has also received funds from the Strong Workforce Initiative, allowing us to hire one more full-time faculty member, which has increased our course offerings to allow students to complete the program in a more timely manner. We have added several sections of online and hybrid courses (AGOR 1, 5, 64,24; AGAG 1) to our course offerings which have resulted in a increase in the number of students enrolling in these courses (05/23/2018)

Reporting Year: 2016-17

Unit Goals	Resources Needed	1. Where We Make an Impact: Closing the Loop on Goals and Resources
	<p>SUPPORT: Evaluating or researching the impact of your educational intervention (cross sectional, cohort tracking).</p> <p>Planning Unit Priority: High</p> <p>Total Funding Requested: .</p> <p>In Progress - Articulation</p> <p>*Describe Plans & Activities Supported (Justification of Need): Continued support for articulation officers and support staff to assist us with creating and managing articulation agreements.</p> <p>*Lead: Audra Lopez</p> <p>What would success look like and how would you measure it?: We will have active articulation agreements. We will issue articulation credit</p>	<p>% Completed: 25</p> <p>We did 4 year review of several courses this year, including AGOR 15, AGOR 75</p> <p>We created a new AS-T degree in Plant Science and a new AS-T in Animal Science.</p> <p>A list of courses and degrees that need TOP code changes is attached. These will need to be changed as the courses and degrees go through curriculum review/revision. (06/28/2017)</p> <p>Related Documents:</p> <p>TOP Code Changes Needed in Agriculture.pdf</p> <p>Reporting Year: 2018-19</p> <p>% Completed: 100</p> <p>We articulated several courses with High Schools this year, including Horticultural Science, Animal Science, Horse Production, and Landscape Construction fundamentals. The total number of agreements created for 2018-2019 was 28.</p> <p>AGAN 1 = 14 AGLI 16 = 3 AGOR 1 = 9 AGOR 71 = 2</p> <p>The total number of students who received articulated credit for the 2017-2018 year (which was awarded during the 2018-2019 year) was:</p> <p>AGAN 1: 38 AGLI 16: 6 AGOR 1: 40</p> <p>Although these agreements were completed this year, we will repeat articulation every year, so it will remain a part of our plan.. (04/02/2019)</p> <hr/> <p>Reporting Year: 2017-18</p> <p>% Completed: 100</p> <p>We created 32 articulation agreements with local high school agriculture programs this year, for courses such as AGOR 1, AGOR 13, AGOR 71, and AGAN 1, and AGLI 16. (14 for Horticulture, 18 for Animal Science) From our articulation agreements, 33 high school students received credit for the courses they completed at their high</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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schools. (24 animal science students and 9 horticulture students)
 Although Articulation is complete for this year, the process will continue annually, so we will still need resources and this activity will continue every year. (05/03/2018)

Reporting Year: 2016-17

% Completed: 75

We created 23 articulation agreements with local high school agriculture programs this year, for courses such as AGOR 1, AGOR 13, and AGAN 1. (10 for Horticulture, 10 for Animal Science, 3 for livestock.) From our articulation agreements, 63 high school students received credit for the courses they completed at their high schools. (47 animal science students and 16 horticulture students)
 We also met with Cal Poly Pomona's Landscape Architecture program and articulation officers from both schools to discuss continued articulation and changes related to their new curriculum changes. (06/28/2017)

In Progress - Regulatory Compliance

***Describe Plans & Activities**

Supported (Justification of Need):

Licensing and fees for DEA, AVMA, DVM, AVTE, RVT, CVMA, USDA, LA County Health License, Nursery Operations License, Certified Producers Certificate, Regional Water Quality Control Board, - \$8,500

***Lead:** Bruce Carleton and Dawn Waters

What would success look like and how would you measure it?: The licenses and accreditation are renewed

Type of Request: PROFESSIONAL & ORGANIZATION DEVELOPMENT (POD): Requests that provide professional learning opportunities for Mt. SAC employees.

Planning Unit Priority: High

<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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On-Going Funding Requested (if applicable): 8500
Total Funding Requested: 8,500
In Progress - Industry Partnerships
***Describe Plans & Activities**
Supported (Justification of Need):
 Advisory Committee
 Horticulture Career Night
 Participation in professional organizations
***Lead:** Brian Scott
Planning Unit Priority: High

Reporting Year: 2018-19
% Completed: 100
 Faculty are members of several professional organizations, including:
 International Society of Arboriculture
 Street Tree Seminar
 California Landscape Contractors Association
 California Association of Nurseries and Garden Centers
 Sports Turf Managers Association (03/24/2019)

Reporting Year: 2017-18
% Completed: 100
 Faculty are members of several professional organizations, including:
 International Society of Arboriculture
 Street Tree Seminar
 California Landscape Contractors Association
 California Association of Nurseries and Garden Centers
 Sports Turf Managers Association (05/23/2018)

Reporting Year: 2016-17
% Completed: 100
 Faculty are members of several professional organizations, including:
 International Society of Arboriculture
 Street Tree Seminar
 California Landscape Contractors Association
 California Association of Nurseries and Garden Centers
 Sports Turf Managers Association (06/27/2017)

Request - Full Funding Requested -
 Administrative Support, Supplies, and Equipment
***Describe Plans & Activities**
Supported (Justification of Need):
 Administrative personnel, supplies, and equipment are required for our program to function and for us to provide a professional face to our

Reporting Year: 2018-19
% Completed: 0
 No progress has been made on this goal this year.
 (05/31/2019)

Unit Goals

Resources Needed

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

students, the public, and the industries we serve.

Our Konica copier/scanner/printer/fax machine is at the end of its useful life. Although the Division has been supporting a maintenance program for this device, parts are no longer readily available. The copier is currently being repaired 2-3 times during a typical week. Several parts have been removed, reducing functionality of the machine, because the parts cannot be obtained. When the machine is not working we are not able to scan documents, copy documents, or send faxes. Because of our location, there is no other comparable equipment available for us to use.

***Lead:** Brian Scott

What would success look like and how would you measure it?: We would be able to present a professional face to our students, the public, and the industries we serve. Faculty and staff could copy, scan, fax, and print documents which are required as part of our professional duties to the college.

Type of Request: NON

INSTRUCTIONAL EQUIPMENT:

Tangible property with useful life of more than one year, other than land or buildings improvements, equal and over \$500 per individual item. Used for administrative or non-instructional purposes.

Planning Unit Priority: High