

Animal Science

2019 Program Review

MJC Program Review 2019

Modesto Junior College's Program Review process is divided into 3 sections:

- Program Analysis (SWOT Analysis)
- Goal Setting and Activities
- Resource Request

Program Analysis

Internal Strengths

1. What strengths does the analysis of student data reveal?

Approximately 79% of the students are retained from term to term- in line with the regional average
Approximately 51% of the students are white, non-Hispanic
Approximately 68% of the students are Hispanic serving 80% of our students are employed after one year
Our program supports transfer level programs
Our retention rate from fall to spring is more than the college average

2. Are there specific aspects of the program that are exemplary or could serve as a model?

Flexibility in course scheduling and completion
Willing to accommodate students who are working full-time
Mix of traditional/hybrid course offerings
Dedicated full time faculty
Student centered approach to learning. Offers online calendar for scheduling
Offer Student Success specialist available for students. Counselors dedicated in the department for students.
Maintain an advisory committee
Network with business community where applicable.
Maintain affiliation with state and national agriculture associations.

3. What do others see as the program's strengths?

Organized program that serves a variety of programs across campus.
Skill-based learning
Course offerings & activities could benefit faculty and staff
Full time faculty collaboration
Support of county and state wide student serving programs

4. How well are students meeting program learning outcomes, skills, or competencies; and how are they relevant to careers in your discipline or industries for which you help prepare students?

The PLOs are extremely relevant to careers in our discipline area. The course information is relevant to all students regardless of career or degree. Students have the opportunity to earn multiple skills based certificates within our given AS or AST degree. Satisfaction with student knowledge expressed by companies utilizing student interns

Internal Weaknesses

5. What gaps are observed by reviewing the student data?

eLumen does not match this current program. Of the ten programs that are offered in the department, two seem to gather the majority of the students. Improvement of the completion rates in the other areas is needed

6. What disproportionate gaps need to be addressed?

Living wage attained in our program area (38%) is lower than the college average (55%) Only 13% of our students are black, African American.

7. What are areas in which the program could improve? (curriculum, scheduling, modality, other?)

Researching on-line course offerings. New course offerings Expansion of courses offered and times they are available through a given week. Counseling familiarity with program. Retention of students who do not finish the program due to employment

8. Where are there gaps in the program on how students are meeting learning outcomes, skills, or competencies?

Recruitment Not all students that complete the required courses take the RVT exam Hands on activities and industry relative equipment that provide relevant learning opportunities Exposure to industry and potential employers

External Opportunities

9. Where are potential opportunities for expansion, improvement, or new program development?

Offer dual enrollment courses Develop strategies for portions of the program that do not have an adequate number of program completers Expansion and maintenance of the facilities that support the learning opportunities that students need to be successful in the work place. Exposure to industry and potential employers

10. What are some industry or disciplinary trends that could enhance the program?

Engage students to understand the importance of completing their degree/certificate for employment success. Public awareness of food and animal production Employment sources

External Threats

11. How are changing resources, technology, employer, or transfer requirements affecting the program's ability to serve students?

Ongoing funding to support technology requirements is imperative for our program Public awareness of the programs and the variety that each has to offer potential students Education of students at the primary level of the educational opportunities available to them in animal science

12. What are some current industry or disciplinary trends that could have a negative impact on the program?

Salary data appears low Salary often does not take into account the location and demographics of the areas where jobs are most available Job search is too narrow to accurately depict the potential market for graduates

13. What other obstacles does the program face?

Funding Public perception of the work done in our department Employment sources

Goal Setting and Activities

Goals

Program Goal	Mission Alignment	Area of Focus
Incorporate work force needs and professional development opportunities for students	Workforce Needs	Student Support
Increase curricular opportunities for students outside of the traditional classroom through the expansion of online and hybrid courses.	Innovative Education	Curriculum
Reduce the equity gap through increased student support and recruitment.	Equity	Internship/Service Learning
Develop funding opportunities that allow for the expansion and maintenance of the infrastructure and industry relevant equipment required to properly prepare students for industry demands and transfer.	Programs / Services based on Scholarship of Teaching and Learning	Professional Development
Establish pedagogy that meets industry and state wide standards in animal science.	Values	Pedagogy

Activities

Activities	In	Outcome or Deliverable
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	Support of Goal #	
Redesign curriculum to incorporate certain classes into an online or hybrid format.	Goal #2	Increased student connection to the program and educational opportunities outside the traditional format.
Investigate state and national funding opportunities that provide sustainable funding for permanent solutions and programs within the department.	Goal #4	Sustainable funding source.
Survey and research the desired workforce for information and skills that are critical for our graduates and transfers to know before entering the workplace.	Goal #1	Increased work placement and student preparedness upon transfer or graduation.

Resource Requests

Category	Request	Activity #	Estimated Cost
Prof. Devel.	Release time for curriculum development and implementation	1	NA
Equipment	Veterinary Technology Supplies Replacement	3	15000
Equipment	Equine Breeding Animals	1	20000
Equipment	Dairy Products testing unit	2	75000
Technology	Updated and current computers and field technology.	2	20000
Personnel	Full time instructor - replacement and new	1	125000
Facilities	Modernize Old Dairy facility	2	100000
Facilities	Resurface concrete floors in Swine Unit	1	20000
Facilities	Equine Unit covered round pen	1	30000