

#10

INCOMPLETE

Collector: Email Invitation 1 (Email)
Started: Wednesday, December 13, 2023 2:52:52 PM
Last Modified: Wednesday, December 13, 2023 3:20:03 PM
Time Spent: 00:27:11
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Page 1: I. Program Overview and Update

Q1

1. Department(s) Reviewed:

Automotive Technology and Electronics

Q2

2. Lead Author:

Ignacio Castaneda Garcia and Brad McCombs

Q3

Respondent skipped this question

3. Collaborator(s) - list of any person that participated in the preparation of this report:

Q4

4. Dean/Manager(s):

George Dowden

Q5

5. Initial Collaboration Date with Manager/Dean:

Enter the initial date you met **11/27/2023** with your dean to discuss your program review using this format: MM/DD/YYYY

Q6

6. Program Update (Required): Please summarize the changes, additions, and achievements that have occurred in your program since the last program review. You can access 2022 program reviews on the program review webpage.

We have implemented new curriculum and are in the process of getting approval for new courses, AUTO-286 Smog Technician Update Training and AUTO-163 Ford ASSET Accelerated Electrical Electronics. We have begun the SLO assessment process and will continue to assess the new curriculum. Our enrollment numbers are continuing to increase with 14% female population. This is the highest percentage of female diversity in the department history.

We are in the process of hiring a new fulltime instructor after two failed attempts. We continue to modernizing our laboratory and classrooms. We have HyFlex equipment in the laboratory area and all of the classrooms. The technology division has been extremely supportive.

We have also had an increased support from the Tutoring department. Our increase tutors allow more teaching support in the classroom.

The innovation and support we have received from our dean and administration has approved Electric Vehicle technology implementation. We are in the final stages of purchased new electric vehicles and service equipment to teach students the latest technology. The new college president and dean have also approved facility improvement such as future painting, hoist installation, and current HVAC repairs. Our students with food insecurities have received direct support from the pantry and Vanessa Murrell donates monthly supplies as well.

The Ford ASSET program has doubled in size. We have started a new cohort every year, rather than every two years.

We were recently informed by the Career Center that we are the champions of outreach events. This is a result of our participation in many outreach activities to increase awareness of our programs. The Career Center has been working with us to provide work experience opportunities within the department and also provide job placement, mock interviews, and resume workshops. We are on the correct path towards the college's plan.

Instructor and student communication has increased and overall morale of the department is great. Students are visibly happy and engaging both during class and office hours. We continue to have excellent job placement.

Page 2: II. Assessment and Student Achievement

Q7

Yes

7. Did your program complete and submit SLO assessment in the last year? If you are unsure, check the most recent updates on your program's SLO Assessment Updates.

Q8

7a. Which SLOs did you assess in the last year? If you did not assess in the last year, please share why, including whether your program is experiencing barriers to assessment or data submission, and/or if your program would benefit from outcomes and assessment support.

AUTO 161, AUTO 161L, AUTO 161T

Q9

8. Please share any outcomes assessment projects your program has worked on in the last year, including SLOs on Canvas, PLOs by ACP, Equitable Assessment Strategies (innovative collective/common assessments, project-based, work-based learning, student-centered, etc.), or other.

We are still working to complete the SLO data of the new curriculum.

Q10

Respondent skipped this question

OPTIONAL: You may upload a copy of any assessment-related documents here. If you have an Excel sheet, please convert it to one of the supported files listed below before submission.

Page 3: II. Assessment and Student Achievement

Q11

9. Please discuss any equity gaps in access or success

The department's main equity gap is the success rate of African-American/Black students. The numbers from the report does not necessary indicate the story. For example, disability is not reported in the data. Also, the enrollment number states there are 59 African-American/Black students, but we know this is not accurate for our core classes.

Q12

10. What action will the department or discipline take to address these equity gaps? If equity gaps have been reduced or eliminated, please share what the program did to achieve this. If equity gaps still exist, consider the specific steps your department will take to address equity gaps.

The department solution is to track our own student population through a Canvas container which will include student with special needs and ethnicity. This will allow better communication between faculty and DSPS to help bridge equity gaps.

Q13

11. How has this data impacted the goals set in your previous comprehensive program review?

The department did not address the equity gaps in the comprehensive program review. We need to add a goal regarding our equity gaps. For example, a student in an equity gap category in the automotive department will be identified to the faculty to help build relationships and provide successful support of college resources. This can be accomplished through student agreement of disclosure for increased discussion and collaboration.

Q14

12. Please describe the most significant or impactful ways your program worked across the college to advance the college's vision of equity, excellence and social justice through education over the past year.

Attending the majority of outreach and college events. We are the HyFlex innovators. We are not a brake, we are the motor. Using the HyFlex technology allows students to received additional learning opportunities though visual and remote connectivity.

Q15

13. What challenges is your program still experiencing due to the disruption of operations caused by the pandemic and the need to offer services in various modalities?

We are finally getting back to normal. We are seeing an increase in enrollment and student retention. Fortunately, we were able to work through the entire pandemic on campus, and our California Online College grant allowed us to teach online and in person. The Technology Department has increased the department's capabilities beyond any other automotive technology programs in the region.

Q16

Respondent skipped this question

OPTIONAL: Please upload any documentation you would like to include as part of your responses to this section of the program review.

Page 4: II. Assessment and Student Achievement continued

Q17

Yes

11. Does your department offer classes that are approved distance education courses?

Page 5: DE Course Success Rates

Q18

12. If there were differences in success rates for distance education (online) versus in-person sections of program courses in your last comprehensive program review, what has the department done to address these disparities? If online and in-person sections had comparable success rates, please describe what the program did to achieve that.

The success rate in our main online automotive course (AUTO-099) needs to be increased. The class needs to be updated to better serve our student population. There is a large disconnect between fully online and face-to-face. The 50 student capacity makes it impossible to give teacher to student and student to student contact. This is a Title 5 issue and needs to be changed. 50 students to 1 instructor is not effective. We will propose a complete redesign of the introduction courses. These changes will allow students to achieve a certificate for entry level employment. The future certificate will be geared towards maintenance and light repair, an ASE national standard.

Page 6: III. Previous Goals: Update

Q19

Previous Goal 1:

: Modernize Department Facilities for Open Lab - Student Validation and Engagement.

Q20

In Progress - will carry this goal forward into next year

Previous Goal 1:

Page 7: III. Previous Goals: Update continued

Q21 **Respondent skipped this question**

Please describe the results or explain the reason for deletion/completion of the goal:

Q22 **Respondent skipped this question**

Do you have another goal to update?

Page 8: III. Previous Goals: Update continued

Q23 **Eliminate equity gaps in course success (passing grade in class)**

Link to College Strategic Goal - Which College Strategic Goal does this department goal most directly support? (Check only one)

Q24

Action Steps for the Next Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new laptop computers).

The laboratory assignments need to be standardized by vehicles and category. We are currently working on this project, but a Special Project will be needed to put all of the information with outcomes and forms in Canvas. An open lab course needs to be created and sent through curriculum. It needs to be a repeatable course with co-requisites. This will also need to be a Special Project.

Q25 **New faculty position,**

What resources, if any, are needed to achieve this goal? Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Other, please specify::
Special Projects funds to develop laboratories for each lab and implement into Canvas.

Q26 **Yes**

Do you have another goal to update?

Page 9: III. Previous Goals: Update continued

Q27

1. Previous Goal 2:

Electronics Technology Degree and Certificate.

Q28

Completed

3. Goal Status

Page 10: III. Previous Goals: Update continued

Q29

Please describe the results or explain the reason for deletion/completion of the goal:

This goal has been completed. We have created an Electronics Technology Degree and Certificate. We are also in the process of acquiring new Electric Vehicles and equipment through a Foundation grant. This degree/certificate will prepare students for the next wave of electric vehicle technology.

Q30

Yes

Do you have another goal to update?

Page 11: III. Previous Goals: Update (If Applicable) continued

Q31

Respondent skipped this question

Link to College Strategic Goal - Which College Strategic Goal does this department goal most directly support? (Check only one)

Q32

Respondent skipped this question

Action Steps for the Next Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new laptop computers).

Q33

Respondent skipped this question

What resources, if any, are needed to achieve this goal? Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Q34

Respondent skipped this question

Do you have another goal to update?

Page 12: III. Previous Goals: Update continued

Q35

1. Previous Goal 3:

Maximize General Motors ASEP.

Q36

In Progress-will carry this goal forward into next year

3. Goal Status

Page 13: III. Previous Goals: Update continued

Q37

Respondent skipped this question

Please describe the results or explain the reason for deletion/completion of the goal:

Q38

Respondent skipped this question

Do you have another goal to update?

Page 14: III. Previous Goals: Update continued

Q39

Increase equitable access (enrollment)

Link to College Strategic Goal - Which College Strategic Goal does this department goal most directly support? (Check only one)

Q40

Action Steps for the Next Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new laptop computers).

We are in the process of hiring a new faculty that will manage the GM program. We also have meetings set up with General Motors and our faculty and administration.

Hire a new fulltime faculty. We should have 4 fulltime faculty. We have been operating with 2 fulltime faculty. This is the main equity gap. It is impossible to manage a GM, Ford, ASCCA, General Program, and Electronics Technology with only 2 or 3 fulltime faculty. We are lacking the historical human resources in the department to provide our students with the best possible learning environment.

Q41

New faculty position

What resources, if any, are needed to achieve this goal? Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Q42

No

Do you have another goal to update?

Page 15: III. Previous Goals: Update continued

Q43

Respondent skipped this question

1. Previous Goal 4:

Q44

Respondent skipped this question

3. Goal Status

Page 16: III. Previous Goals: Update continued

Q45

Respondent skipped this question

Please describe the results or explain the reason for deletion/completion of the goal:

Page 17: III. Previous Goals: Update continued

Q46

Respondent skipped this question

Link to College Strategic Goal - Which College Strategic Goal does this department goal most directly support? (Check only one)

Q47

Respondent skipped this question

Action Steps for the Next Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new laptop computers).

Q48

Respondent skipped this question

What resources, if any, are needed to achieve this goal? Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Page 18: IV. New Goals

Q49

Yes

Would you like to propose any new goal(s)?

Page 19: IV. New Goals continued

Q50

1. New Goal 1:

Curriculum Development – Create/update Canvas containers that can be used by any instructor for the AUTO-263 Advanced Electronics Group, AUTO-264 Hybrid and Electric Vehicle Group, AUTO-283 Group Advanced Engine Performance, AUTO-099 Intro to Auto Tech, and AUTO-100L Intro to Auto Tech Lab. Create a MLR certificate. All of the ASSESSMENT COURSES and the structure of how they are scheduled and assigned needs to be evaluated. The goal of the assessment courses was to establish more centralized SLO evaluation, a test center mimicking standardized testing. The chances of criterion-based assessment increase, as well as preparation for National ASE assessment and competency. It is concerning that we have not discussed how to become more effective. Also the curriculum design prevents reoccurring student costs and academic probation.

Q51

**Increase completion and eliminate equity gaps
(graduating with a degree/certificate, or transferring)**

2. Which College Strategic Goal does this department goal most directly support? (Check only one)

Q52

3. Please describe how this goal advances the college strategic goal identified above.

Our department has grown in enrollment. The current courses that are written have not been implemented and are part of graduation requirement for certain degrees. The Canvas course containers need to be developed and standardized to match the formatting of our other courses.

Q53

4. Please indicate how this goal was informed by SLO (student learning outcomes) assessment results, PLO (program learning outcomes) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

We are informed by industry and the national standards that drive the educational standards of our programs. Our advisory meeting support and inform our decisions.

Q54

5. Action Steps for this Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new computer hardware).

Stipends to pay classified staff and faculty to build courses. \$2,000 per course with 11 courses to be created.

Q55

6. How will this goal be evaluated?

Student and instructor surveys, enrollments and future program reviews

Q56

Other, please specify::

What resources, if any, are needed to achieve this goal?
Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Stipens

Q57

Yes

Do you have another New Goal?

Page 20: IV. New Goals continued

Q58

1. New Goal 2:

Complete Academic Career Pathways for publishing and Department Website update

Q59

Increase persistence eliminate equity gaps (re-enrolling the subsequent semester or year)

2. Which College Strategic Goal does this department goal most directly support? (Check only one)

Q60

3. Please describe how this goal advances the college strategic goal(s) identified above.

The ACP standardizes access to department programs and attempts to make information easier to find. However, the ideas are presented the ACP title "Environmental and Applied Science does not describe Automotive Technology. Thankfully, there is search BAR. The design of the course maps is excellent and we are looking forward to the duplication the ACP will establish, still intending to publish our own information on our department website.

Q61

4. Please indicate how this goal was informed by SLO (student learning outcomes) assessment results, PLO (program learning outcomes) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

This goal was not informed by SLO or PLO assessment. In fact, was created by administration without senate faculty input (generally). The ideas will help group academic programs, but the divisions already do that. So why??

Q62

5. Action Steps for this Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new computer hardware).

: 2024 Fall submit updated ACP forms to Faculty and update website. Complete by Fall 24.

Q63

6. How will this goal be evaluated?

We don't know. So far, we have found the execution confusing and a misrepresentation of our division. The ACP web language is confusing. The site led all users straight the CIS language and ignored other departments. It was suggested to be fixed but remained confusing for over one year.

Q64

Respondent skipped this question

What resources, if any, are needed to achieve this goal?
Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Q65

Yes

Do you have another New Goal?

Page 21: IV. New Goals continued

Q66

1. New Goal 3:

: Ford, General Motors, and General Program ASE Department Program Certifications. Each specialized program is required to have ASE certification. All three major programs need certification or recertification. This is a large compliance project, outside specialist visit our programs for accreditation

Q67

Increase hiring and retention of diverse employees to reflect the students and communities we serve

2. Which College Strategic Goal does this department goal most directly support? (Check only one)

Q68

3. Please describe how this goal advances the college strategic goal(s) identified above.

National certification is required by businesses, municipalities, and governments.

Q69

4. Please indicate how this goal was informed by SLO (student learning outcomes) assessment results, PLO (program learning outcomes) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

Ford, General Motors, and General Program ASE Department Program Certifications. Each specialized program is required to have ASE certification. All three major programs need certification or recertification. This is a large compliance project, outside specialist visit our programs for accreditation

Q70

5. Action Steps for this Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new computer hardware).

1. Contact ASE recertification team work with lab assistants.
2. Compile documents demonstrating student compliance examples.
3. Schedule site visits.
4. Each certification costs \$800. X 3 \$2400

This should take place in the 2024 year.

We will need to pay for the 5 year certification fees and consulting fees (\$2400 + \$5000)

Q71

6. How will this goal be evaluated?

The certification will published on the ASE website and certificates displayed in our department.

Q72

What resources, if any, are needed to achieve this goal? Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Other, please specify::

: Lab assistant support and possibly some consulting support. We will need to pay for the 5 year certification fees and consulting fees (\$2400 + \$5000)

Q73

Yes

Do you have another New Goal?

Page 22: IV. New Goals continued

Q74

1. New Goal 4:

: Inventory Control System for tools, vehicles, supplies, equipment, and human resources.

We have noticed since the tools have been moved to the laboratory, it has been difficult to inventory them. We have suggested cameras in previous program reviews, but have been restrained by the administration, even when theft has occurred after hours. Law enforcement has recommended this. We need a way to document and monitor our laboratory for safety concerns and inventory.

Q75

Respondent skipped this question

2. Which College Strategic Goal does this department goal most directly support? (Check only one)

Q76

3. Please describe how this goal advances the college strategic goal(s) identified above.

NA

Q77

4. Please indicate how this goal was informed by SLO (student learning outcomes) assessment results, PLO (program learning outcomes) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

The idea has been informed from employees trying to organize the lab and from law enforcement.

Q78

5. Action Steps for this Year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g., submit technology request for new computer hardware).

Have lab assistants and faculty discuss a solution during department meetings. Report the plan to admin.

Q79

6. How will this goal be evaluated?

Things will be easier to find and the lab can be monitored for theft and safety.

Q80

What resources, if any, are needed to achieve this goal? Please select all that apply. Links to request forms are included below. All resource requests are due on the program review deadline.

Technology,

Other, please specify::
surveillance.

Page 24: Final Check

Q81

Respondent skipped this question

Are you ready to submit your program review? If you would like to go back and review a section, select a section and click "Next."
