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Email: brad.mccombs@gcccd.edu
IP Address: 160.227.129.225

Page 1: I. Program Overview and Update

Q1 Department(s) Reviewed:

Automotive Technology and Electronics

Q2 Lead Author and Participants: Please list any person who participated in the preparation of this report.

Brad McCombs, Ignacio Castaneda Garcia, Larry McLemore

Q3 Dean/Manager:

Larry McLemore

Q4 Program Update: Please summarize the changes, additions, and achievements that have occurred in your program since your last program review was submitted. To access your 2019 program review, visit the Program Review webpage.

We hired one permanent full time faculty position for Ford and GM

We secured a \$500,000 Grant for Ford ASSET Distance Education.

The laboratory, and all storage rooms have been completely cleaned and organized.

The laboratory assistants comply with the contract job description enclosed. This has not been the historical practice. In the past, the lab assistant mainly handed tools to the students, but was not actively engaged with instructors to assist students. The lack of the ability to assist instruction was an environmental and management design problem, you can't be in two places at the same time. The resolution program changes will be discussed as part of our overall plan.

Ford ASSET distance education is now approved and functioning. This gives our students more access. We are the pilot project for Ford Motor Company distance education. Please refer to the performance analysis enclosed.

The Automotive Service Council of California (ASCCA degree) has been approved and is in place with increasing student and independent repair dealer support and interest. We have completed the policies and procedures documents enclosed. We have also completed a draft wire frame for a student, dealer, and college counselor website enclosed. The structure of this pathway will allow a student to complete 12 units of work experience classes and take general education classes designed to accomplish student goals and the business goals of the dealer sponsor.

We have added two new hoists and have funded five additional hoists including one hoist within K-114 for distance education. This will allow more students to work in the laboratory, the hoist in the classroom will facilitate distance education instruction. The department has 20 service bays but not enough hoists.

We hired a full time Ford and GM ASEP instructor. This still leaves our department understaffed by two full time faculty. One full time faculty has been shifted to ET 110 and does not teach automotive classes.

We increased FTES for our ET 110 Electronics course. This was accomplished by looking at the waitlist, opening two additional full sections, and by assigning our full-time faculty full time load in our electronics classes.

We continue to implement changes to our department based on adjunct faculty and distance education modality. We offer Introduction to Automotive Technology fully online. We have two certified distance education instructors and believe we can leverage these modalities to reach underserved students in prisons, far from campus, and students who are financially unable to attend classes on campus.

We added standardized student ASE testing. This allows us to perform program review, and measure SLOs to the national testing standard. After reviewing ASE Tests we decided to offer proctored department hands on tests as part of a large curricula improvement. We have added LCD monitors in the lab so that better instruction can take place by showing students what is happening. Students are not able to all see small lab top screens. The laptop information or camera images can be shared to LCDs using simple sharing communication software.

Page 2: II. Assessment and Student Achievement

Q5 1. Do you have a course Student Learning Outcome (SLO) assessment plan on file with the Student Learning Outcome and Assessment Committee (SLOAC)? If you have not already done so, you can submit your program's assessment plan to SLO Coordinator, Tania Jabour, at tania.jabour@gcccd.edu. **No**

Q6 OPTIONAL: You may upload a copy of your SLO assessment plan for SLOAC here. If you have an Excel sheet, please convert to one of the supported files listed below before submission.

Cuyamaca College Department Plan for Laboratory for Summative Hands on Testing.docx (13.3KB)

Q7 2. Please provide an analysis of your Student Learning Outcomes (SLO) findings and what changes, if any, were made as a result.

Student Learning Outcomes: (My file will not load in this survey, please allow attachments)

We have made major changes based on student feedback and through department meetings about how we need to reorganize our course design to separate laboratory instruction from lecture instruction.

Cuyamaca College Curriculum Revision 1-22-19 Brad McCombs

CHASSIS TECHNICIAN AS DEGREE 19.5 – 23.5 UNITS

Auto 110 A-B are prerequisites for students entering manufacturers programs unless automotive high school equivalency has been achieved.

These are all equivalent by Test Out B .5

ENGINE REPAIR HEAVY LINE TECHNICIAN 21.5 – 25.5 UNITS

TRANSMISSION DRIVE SYSTEMS TECHNICIAN 20.5 – 24.5 UNITS

ENGINE PERFORMANCE 25.5 – 30.5

EMISSION TECHNICIAN AS/CERTIFICATE 18.5 – 22.5 UNITS

VEHICLE ELECTRICAL AND ELECTRONICS 21.5 – 24.5

ASCCA or AUTOMOTIVE MASTER TECHNICIAN AS DEGREE 58.5 - 67.5 UNITS

Q8 3. Does your department or discipline offer any degrees and/or certificates? **Yes**

Page 3: II. Assessment and Student Achievement

Q9 4. How are you currently assessing your PLOs?

We have a marketing plan, and a department plan. We also meet often with our Dean and advisory committee.

Q10 5. Are your PLOs in the catalog an accurate reflection of the department or discipline's current learning objectives? To access the College Catalog Associate Degree Programs and Certificates section, click here. **No**

Q11 6. Are the PLOs mapped onto the course SLOs? If you require assistance, please contact Madison Harding in the IESE Office at madison.harding@gcccd.edu **No**

Page 4: II. Assessment and Student Achievement

Q12 Referencing the last 5 years of data, discuss the changes in course success rate since the last program review (annual or comprehensive) report.

In order to have significant improvements, we must change our structure. We have designed faster better ways to deploy our courses separating the laboratory from the lecture, and adding more certificates and degrees by identifying career specialization as recognized by industry. For example, we are going to propose stackable certificates and multiple degrees. Our students average over 80 credit hours to graduate. The degrees are as follows: Electronics, Power Train, Engine, Chassis, and Service Management.

Q13 Considering the college's 2024 goal of increasing course success rates to 77%, discuss how your department/discipline will help meet that goal.

By implementing our department plan.

Q14 Please describe any equity gaps, in which specific groups (e.g., by gender and ethnicity) have success rates lower than that of the department or discipline overall.

We have closed the equity gap for woman, and other underserved student populations. However, we have a long way to go. Part of our plan is individual. We are joining community groups. Becoming part of the community by serving with them.

We are also signed up to take equity training with Jesus Miranda.

Q15 What department/discipline (or institutional) factors may be contributing to these lower success rates for these groups of students?

Our problems are systemic. For example, there are no designated changing rooms, or rooms that are clean and private for people to feel safe. The automotive industry is dominated by men.

Q16 What specific steps will the department of discipline take to address these equity gaps in the 2020/21 academic year?

Equity training and visiting communities through community service, building relationships.

Q17 How do these steps inform the long-term department or discipline goals that you are setting in this annual program review?

We can see that our student population equity gaps are improving. We intend to show more growth by promoting our programs by direct contact.

Q18 In what way does your department/discipline work across instruction and student services to advance the college's student success & equity goals?

Respondent skipped this question

Q19 OPTIONAL: If you would like to attach any charts or additional documentation (aside from the program review report prepared by the IESE Office), please upload it using the button below.

Department Plan rev (1).docx (316KB)

Q20 Do you offer distance education (online) courses? **Yes**

Page 6: II. Assessment and Student Achievement

Q21 Are there differences in success rates for distance education (online) versus in-person sections? **Respondent skipped this question**

Q22 If there are differences in success rates for distance education (online) versus in-person sections, what will the discipline or department do to address these disparities?

Our success rates tend to be similar.

Q23 What mechanisms are in place to ensure regular and effective contact within online courses across the discipline or department?

We are implementing a complete Peer Review this semester POCR review and training.

Page 7: III. Previous Goals: Update (If Applicable)

Q24 Would you like to provide an update for your previous program review goal(s)? **No**

Page 8: III. Previous Goals: Update (If Applicable) continued

Q25 Previous Goal 1: **Respondent skipped this question**

Q26 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q27 Please describe how this goal advances the college strategic goal identified above. **Respondent skipped this question**

Q28 Goal Status **Respondent skipped this question**

Page 9: III. Previous Goals: Update (If Applicable) continued

Q29 Please describe the results or explain the reason for deletion/completion of the goal: **Respondent skipped this question**

Q30 Do you have another goal to update? **Respondent skipped this question**

Page 10: III. Previous Goals: Update (If Applicable) continued

Q31 Please describe action steps for the year: **Respondent skipped this question**

Q32 How will this goal be evaluated? **Respondent skipped this question**

Q33 Do you have another goal to update? **Respondent skipped this question**

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

Q34 Previous Goal 2: **Respondent skipped this question**

Q35 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q36 Please describe how this goal advances the college strategic goal identified above. **Respondent skipped this question**

Q37 Goal Status **Respondent skipped this question**

Page 12: III. Previous Goals: Update (If Applicable) continued

Q38 Please describe the results or explain the reason for deletion/completion of the goal: **Respondent skipped this question**

Q39 Do you have another goal to update? **Respondent skipped this question**

Page 13: III. Previous Goals: Update (If Applicable) continued

Q40 Please describe action steps for the year: **Respondent skipped this question**

Q41 How will this goal be evaluated? **Respondent skipped this question**

Q42 Do you have another goal to update? **Respondent skipped this question**

Page 14: III. Previous Goals: Update (If Applicable) continued

Q43 Previous Goal 3: **Respondent skipped this question**

Q44 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q45 Please describe how this goal advances the college strategic goal identified above. **Respondent skipped this question**

Q46 Goal Status **Respondent skipped this question**

Page 15: III. Previous Goals: Update (If Applicable) continued

Q47 Please describe the results or explain the reason for deletion/completion of the goal: **Respondent skipped this question**

Q48 Do you have another goal to update? **Respondent skipped this question**

Page 16: III. Previous Goals: Update (If Applicable) continued

Q49 Please describe action steps for the year: **Respondent skipped this question**

Q50 How will this goal be evaluated? **Respondent skipped this question**

Q51 Do you have another goal to update? **Respondent skipped this question**

Page 17: III. Previous Goals: Update (If Applicable) continued

Q52 Previous Goal 4: **Respondent skipped this question**

Q53 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q54 Please describe how this goal advances the college strategic goal identified above. **Respondent skipped this question**

Q55 Goal Status **Respondent skipped this question**

Page 18: III. Previous Goals: Update (If Applicable) continued

Q56 Please describe the results or explain the reason for deletion/completion of the goal: **Respondent skipped this question**

Q57 Do you have another goal to update? **Respondent skipped this question**

Page 19: III. Previous Goals: Update (If Applicable) continued

Q58 Please describe action steps for the year: **Respondent skipped this question**

Q59 How will this goal be evaluated? **Respondent skipped this question**

Q60 Do you have another goal to update? **Respondent skipped this question**

Page 20: III. Previous Goals: Update (If Applicable) continued

Q61 Previous Goal 5: **Respondent skipped this question**

Q62 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q63 Please describe how this goal advances the college strategic goal identified above. **Respondent skipped this question**

Q64 Goal Status **Respondent skipped this question**

Page 21: Copy of page: III. Previous Goals: Update (If Applicable) continued

Q65 Please describe the results or explain the reason for deletion/completion of the goal: **Respondent skipped this question**

Page 22: Copy of page: III. Previous Goals: Update (If Applicable) continued

Q66 Please describe action steps for the year: **Respondent skipped this question**

Q67 How will this goal be evaluated? **Respondent skipped this question**

Page 23: IV. New Goals (If Applicable)

Q68 Would you like to propose any new goal(s)? **No**

Page 24: IV. New Goals (If Applicable) continued

Q69 New Goal 1: **Respondent skipped this question**

Q70 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q71 Please describe how this goal advances the college strategic goal(s) identified above. **Respondent skipped this question**

Q72 Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other data: **Respondent skipped this question**

Q73 Action steps for this year: **Respondent skipped this question**

Q74 How will this goal be evaluated? **Respondent skipped this question**

Q75 Do you have another new goal? **Respondent skipped this question**

Page 25: IV. New Goals (If Applicable) continued

Q76 New Goal 2: **Respondent skipped this question**

Q77 Which College Strategic Goal does this department goal most directly support? **Respondent skipped this question**

Q78 Please describe how this goal advances the college strategic goal(s) identified above. **Respondent skipped this question**

Q79 Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other data: **Respondent skipped this question**

Q80 Action steps for this year: **Respondent skipped this question**

Q81 How will this goal be evaluated? **Respondent skipped this question**

Q82 Do you have another new goal? **Respondent skipped this question**

Page 26: IV. New Goals (If Applicable) continued

Q83 New Goal 3: Respondent skipped this question

Q84 Which College Strategic Goal does this department goal most directly support? Respondent skipped this question

Q85 Please describe how this goal advances the college strategic goal(s) identified above. Respondent skipped this question

Q86 Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other data: Respondent skipped this question

Q87 Action steps for this year: Respondent skipped this question

Q88 How will this goal be evaluated? Respondent skipped this question

Q89 Do you have another new goal? Respondent skipped this question

Page 27: IV. New Goals (If Applicable) continued

Q90 New Goal 4: Respondent skipped this question

Q91 Which College Strategic Goal does this department goal most directly support? Respondent skipped this question

Q92 Please describe how this goal advances the college strategic goal(s) identified above. Respondent skipped this question

Q93 Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other data: Respondent skipped this question

Q94 Action steps for this year: Respondent skipped this question

Q95 How will this goal be evaluated? Respondent skipped this question

Page 28: V. Resources Needed to Fully Achieve Goal(s)

Q96 Is the program requesting resources this year to achieve this program goal(s)? (Faculty Resource Needs, Classified Staff Resource Needs, Technology Resource Needs, Supplies/Equipment Resource Needs, Facilities Resource Needs or Other Resource Needs) **Yes**

Page 29: VI. Faculty Resource Needs

Q97 Are you requesting one or more Faculty Positions to achieve this program goal(s)? **Yes**

Page 31: VIII. Classified Staff Resource Needs

Q98 Are you requesting one or more Classified Positions to achieve this goal? **No**

Page 33: X. Technology Resource Needs

Q99 Are you requesting technology resources to achieve this goal? **Yes**

Page 35: XIV. Supplies/Equipment Resource Needs

Q100 Are you requesting supplies and/or equipment resources to achieve this goal? **Yes**

Page 37: XVI. Facilities Resource Needs

Q101 Are you requesting facilities resources to achieve this goal(s)? **Yes**

Page 39: Final Check

Q102 Are you ready to submit your program review? If you would like to go back and review a section, select a section a click "Next." **I am ready to submit my program review**
