

Automotive Technology Program Advisory Committee Meeting

Meeting Minutes March 24, 2015

Members present: Oliver Taylor, John Miller, Ryan Thomson, John Neely, Jose Castillo, Will Mobley, Lacey Cunningham, Michael Richards. Absent: Dan Williams, Jeremy Rasmussen. Ken Rocha

Call to order 6:30 pm.

Action items:

Approval of Minutes; motion to approve by, John Miller seconded by , Will Mobley, approved unanimously.

Mike proposed that future minutes be distributed via email. Any changes will be submitted to Mike Richards final minutes will be approved via email so that the committee is able to get the minutes turned around more quickly and submitted.

Discussion Items:

1. Advisory Committee Membership

Mike Richards reviewed expectations, commitments, and rewards in participating in the College of the Redwoods Automotive Technology Program Advisory Committee.

Expectations and Commitments:

Committee members are expected to:

- Donate their time and expertise to furthering automotive training and improving the AT Program.
- Participate in committee meeting discussions and deliberations.
- Be an ambassador of goodwill by supporting the program out in the community and automotive industry. Including possible donations.
- Serve a minimum of 3 years with no current maximum and help recruit a suitable replacement on your departure from service.
- Mike's thoughts on the committee is that we create a diverse group of committee members to offer comment and suggestions

Rewards:

- Actively helping to improve automotive education in Humboldt County.
- Gaining priority access to future technicians through involvement in committee activities.
- Satisfaction of participating in the process of determining how your tax dollars will be best allocated to support the training needs of your community and industry.

Questions and/or comments:

None at this time.

2. Curriculum, MLR Program Development

Mike informed the committee that the Chancellor's Office backlog is finally beginning to clear and the curriculum changes to the Automotive Technology 2 Year Certificate of Achievement have been approved. Next steps are to schedule a series of meetings with NATEF MLR Certified Program high school instructors to correlate curriculum and develop standards for articulation. Mike hopes to have a substantial package to present to the committee at the Fall 2015 meeting which upon approval will be submitted to the College of the Redwoods Curriculum Committee and subsequently the Chancellor's Office.

Questions and/or comments:

The discussion centered around the following bullet points:

- The NATEF MLR (Maintenance & Light Repair) Certification program will be a new class which will consist mainly of inspections and reports as opposed to repair.
- Will Mobley mentioned that we have been discussing MLR for a couple years and he is in full support of developing that type of training ay CR.
- John Neely explained that Lithia advertised for weeks for a lube tech and has been having difficulty finding someone qualified, he also stated that retention was a problem too as some of the ones you hire don't work out very well.
- Lacey Cunningham stated that Eureka Brake hired a graduate of the AT Program and they were very pleased with Scott's performance to date.
- The group concluded that CR Auto was not turning out enough completers to meet industry demand and the general consensus was that developing a shorter timeframe for training such as the proposed 1 year MLR Certificate has the great potential.
- Mike will be combining this training with general repair classes. He would like to work with area high schools to provide this training, as it is a prerequisite to other offered courses.
- If possible would like to open classes for adult learners through the high schools.
- Mike hopes to have a general outline and proposal by Fall of 2015 and then have it implemented by the following year.
- Discussed the need for career-oriented students in the industry.
- Discussed ideas to incorporate an apprenticeship with shops and perhaps lab credit for on the job training. Mike would have to write the class into the curriculum.
- Mike discussed ideas on developing online training modules.
- The group as a whole is supportive and feel it's important to work with the high schools in developing the program. Will expressed frustration at the pace of developing MLR and the lengthy delays from the chancellor's office.

3. Measure Q Update

A. Program Expansion

Mike explained to the committee that due to new state regulations regarding housing and storage of combustion engines and fuels the cost to update the current Printing Services Area for automotive instruction was prohibitive. He presented the alternative plan to use the upper former DHET area and took the committee on a tour of that area.

- Maintenance had been approached about estimating the cost to expand into the printing services area. The estimate and requirements to renovate has proved to be cost prohibitive.
- As an alternative, looking at the upper diesel area. Is now is full of solar stuff but maintenance will be clearing out soon and should be able to move forward into this area.

Questions and/or comments:

Jose noted the expansion would allow concurrent course offerings and asked if there would be ISS support for concurrent offerings. Mike explained that he requested additional funding in terms of hours of service for the ISS position to accommodate potentially 2 instructors for Fall 2016 but he had not heard if the request was approved. Class scheduling would have to be arranged to accommodate the number of hours allocated for support.

B. Teaching/Training Material Updates

Mike displayed and demonstrated the newly acquired Consulab electricity/electronics trainers and the Gas Direct Injection trainers with programmable fault insertion capabilities and functional, visible A/C systems.

- Spent about \$150,00 of the funds on these updated systems and trainers.
- The Gas Direct Injection is the most updated technology.
- Instructor is able to create problems or bugs through his laptop for students to diagnose.

Questions and/or comments:

Ryan and John both said they wished we had this type of modular trainers when they were going through the program. They were very supportive of the equipment upgrades.

C. Program Improvement Needs

Mike reviewed what he determined to be the most pressing needs for program improvement:

- Scantools and scopes, Snap-On, AutelMaxidas, and Pico Scopes.-Many of the scan tools are not going to be updated and may become obsolete. Snap-on has announced they will not be updating the Modis in the near future and will be promoting the Solus and the Verus Looking for input on which scan tools to purchase. Mike will be checking into the AutelMaxidas. Would like to purchase a couple more of the Pico scopes with some of the Measure Q dollars. Pico scopes are being updated. DSO training is important as it is so wide spread in the industry.
- Ryan and John said that Snap-On has been the most common choice for aftermarket scantools they have encountered. Will also said his shop kept a Snap-On Modis for use

with other than factory brand vehicles. Jose said they used Snap-On scantools and Vantage Pro for a scope.

- Brake lathes, on car Pro-Cut and bench models, Aamco, Snap-On?? Brake lathes are very old – upwards of 30 years. Mike will be purchasing 3 more on the car Pro-Cut lathes as they are the most advanced. He is also interested in purchasing 1 more bench lathe but not sure which brand is the best to purchase. Mike will be surveying shops to see what is the most common so that students are trained on the most common bench lathe used in local shops.
- Ryan mentioned they had a new Snap-On bench lathe that he was pretty happy with.
- Manual driveline, manual transmissions, T5, Tremec, World Class, RWD axles, T-cases. Mike looking at purchasing the Tremec but is still doing research on these.
- Refrigerant Reclaim and recycle equipment, R-1234YF ??, automated machine. Need to spend some of the money on recycle equipment to update to handle the R1234YF.
- Drive on dynamometer to be used for drive cycle, to get OBD II monitors to run for verification of repair on emission system.
- Oliver Taylor recommended we develop an intro to passenger car diesel powertrain course.

Questions and/or comments:

Both John Neely and Will Mobley said they really weren't seeing any r1234 systems yet, at least not any they needed to work on.

Ryan and John thought the T-5 was a good transmission to learn on.

4. Shop tool and equipment review

Covered pretty well in 3C above but if there's anything else any committee member would like to add or discuss at this time.

Comments:

Motion to adjourn made by, Ryan Thompson, seconded by, John Miller , approved unanimously.

Adjourned at 8:30 pm