

**TRADES & INDUSTRIAL TECHNOLOGY DEPARTMENT
ADVANCED TRANSPORTATION ADVISORY MINUTES
June 12, 2018
Room AA101D, Pacific Coast Campus**

I. Dana Friez called the meeting to order at 5:40 p.m.

Members present:

Gene Carbonaro	CTE Dean	David Orozco	LA Harbor
Dana Friez	LBCC	Anthony Pagan	CTE Assoc. Dean
Sean Gloster	Mitsubishi	Sarah Saucedo	LBCC
James Holtz	BYD	Ron Schaffer	LB Harbor
Melissa Infusino	LBCC	Eric Winterset	City of LB
Greg Ling	LBCC	Dave Wong	Mitsubishi
Rusty Mahakian	Port of LB	Luke Zhong	BYD
Obed Mejia	LA Metro Transit		

II. Welcome

- Dana Friez welcomed everyone to the meeting. She introduced herself and emphasized how this is an exciting time in the automotive industry.
- Dana asked all attendees to introduce themselves to the group.
- Gene Carbonaro, Dean of CTE, highlighted what we are looking to accomplish at the meeting. We are seeking approval of the proposed curricula for Associate in Science and Certificates of Achievement for both Light Duty Vehicles and Heavy Duty Vehicles. Gene explained how the curriculum approval process works at LBCC. The first step is to get approval by the Advisory Meeting members. Then, it goes in order to the Curriculum Committee, Board of Trustees and Chancellor’s Office. If the curricula is approved by all groups, it would become effective in Fall of 2019.

III. General Meeting

- Current Curriculum
 - Gene Carbonaro shared that our current curriculum is old and outdated. Thus, he and Greg Ling have restructured the curriculum to meet today’s standards and help ensure students are well equipped to meet employer’s needs.
- Industry Needs
 - Greg Ling referred to the curriculum list for the Associate in Science in Advanced Transportation. He posed a couple of questions to the group: “Where is the current deficit in new hires not having the skillset needed?” “What training would you recommend?” “How much time should be spent on the recommended training?”
 - David Orozco from LA Harbor recommended 2-3 day boot camp courses, refresher courses, and a better infrastructure for programs. His input on what was needed for new hires was training in battery technology and safety.

- Ron Schaffer with LB Harbor suggested more training on disassembly. He agreed that there is a need for more safety procedures education.
- Greg Ling presented the need for a high voltage course, that potentially could be offered as a hybrid and/or online course.
- Luke Zhong with BYD recommended tractor training, and shared they currently are working on two projects in this area, and inductance for the high voltage cables.
- Eric Winterset from the City of LB mentioned future alternative fuel possibilities of hydrogen and propane. He said that if there are alternatives, the Mayor requires the City to purchase them. Greg said he would like to look into these as potential offerings in our programs.
- Program Information
 - Gene Carbonaro explained that the following information was included in the packet given to the attendees of the meeting:
 - All courses are three units
 - 25 student cap size
 - Instructional Assistant in addition to the teacher in most classes
 - Learning Objectives
 - Student Learning Outcomes
 - Weekly Calendar breakdown by hours for each topic
 - Lecture and Lab components
 - The degree can be completed in two years
 - Certificates of Achievement can be completed in one year
- Overlap Between Programs
 - Gene explained that our certificates are stackable and they all are incorporated in the degrees, so students could start with a certificate and be half way through earning their degree.
- Workforce Funds
 - Dana Friez shared that LBCC has workforce funds available to help pay for employee training.
 - Melissa Infusino and Dana are working on a port grant to develop more programs, starting with non-credit courses.
- Recommendations
 - David Orozco suggested a 2 unit safety course to be added as a prerequisite. He also suggested a Class B License, information on air brakes and small cranes to be added as additional courses outside the proposed curriculum.
 - Eric Winterset recommended first responder manuals be incorporated, streamlining the inspection process, and to add quick service certifications. He offered to send us a 30, 60 and 90-day checklist used at the City of LB for new hires.
 - Greg Ling proposed we incorporate safety modules at the beginning of each course to keep information fresh for the class being taken. He also proposed incorporating onboard detection.
 - Dave Wong from Mitsubishi suggested a quick reference guide. He also suggested smaller certifications that are specific skills, such as how to rack a car on a hoist. Gene Carbonaro responded that we do offer smaller certifications in our Auto

program (not Advanced Transportation). He also mentioned that we offer Certificates of Accomplishment that range from 1-4 unit classes.

- James Holtz with BYD recommended incorporating manufacturing and fire inspection training by Amorax. He also recommended telematics in the bus world (networking capability) and adding predictive codes in addition to preventative.
- Dana Friez proposed having industry professionals come into classes and students visiting industry sites. Eric Winterset offered tours that are available every two weeks at the City of LB. He also said that a night shift is being implemented, which could offer more options for night classes to visit. James Holtz with BYD said they might have a bus we could use for transportation to visit sites.
- Luke Zhong suggested adding exposure to high voltage and fleet management as an additional program.

IV. Voting

- Associate of Science in Advanced Transportation Technology (60 units)
 - Greg proposed the new curriculum.
 - All approved it
- Certificate of Achievement in Advanced Transportation Technology (27 units)
 - Greg proposed the new curriculum.
 - All approved it
- Certificate of Achievement in Electric & Hybrid Vehicles (15 units)
 - Gene proposed the new curriculum
 - All approved it
- Certificate of Achievement in Alternative Fuel Vehicles (12 units)
 - Gene proposed the new curriculum
 - All approved it
- Certificate of Accomplishment in Automotive Quick Service (6 units)
 - Gene proposed the new curriculum
 - All approved it

V. Closing

- Gene stated we are starting small, but we're working on building and expanding this program. We are looking to hire Adjunct Teachers for this program and would love to have some industry professionals.

VI. Adjournment

- The meeting was adjourned at 7:20 p.m.