



# SANTA ANA COLLEGE

## Automotive Department

### Advisory Committee Minutes

Spring 2019

June 10<sup>th</sup>, 6:00-7:30 PM

Santa Ana College, Building J

I. Call to order

- a. A meeting of the Industry Advisory Committee for the Automotive Technology Department was held at Santa Ana College on June 10<sup>th</sup>, 2019.

Attendees:

Name	Company	Title	Type	Attendance
Susana Cardenas	SAC	Admin. Secretary	Staff	X
Gregory Gonzales	SAC – Welding	Welding Faculty	Faculty	X
Zachary Diamond	SAC – Welding	Welding Faculty	Faculty	X
Jaime Gonzalez	Golden West College OC – D.S.N. AT&L	O.C. D.S.N. Advanced Transportation and Logistics	DSN	X
Tom Brenner	ASE Education Foundation		Industry	X
Kelly Faley	Fiat Chrysler Auto	Mopar Cap Relationship Manager	Industry	X
Giovanni Buicalrelli	Crevier BMW	Shop foreman	Industry	X
Jeff Hampton	Hyundai Motor of America	Senior Manager – recruiting and retention	Industry	X
Gutierrez	Subaru	Shop foreman	Industry	X
Han Nguyen	Subaru Volkswagen	Service Manager	Industry	X
Scott Son	Subaru Orange Coast	Shop foreman	Industry	X
Eric Ramos	Subaru of America	Field Service Manager	Industry	X
Brian Derbyshire	Subaru of America	District Manager	Industry	X
Art Yoshihara	SAC	Auto Shopkeeper	Staff	X
David Roper	SAC Auto Faculty	Auto Faculty	Faculty	X



# SANTA ANA COLLEGE

James "Marty" Rudd	SAC Auto/Diesel/Welding Department Chair	SAC Auto/Diesel/Welding Department Chair	Faculty	X
--------------------	--	--	---------	---

The meeting was called to order by the Committee Chair James "Marty" Rudd, and Assistant Professor, David Roper, at 6:30 p.m.

- II. Welcome and Introductions
- III. Purpose of Advisory Meeting
  - a. ASE Foundation: School is industry driven and there are sessions with industry where there are standards that are set with the schools and evaluation of schools are made to ensure that they meet the standards. Part of the requirement is that they have two advisory meetings per year to go hear industry needs and change their programs accordingly.
- IV. Automotive Department Faculty Training/Certifications
  - a. Review of faculty qualifications. All full-time faculty have to be Master ASE Certified.
  - b. New faculty starting in Fall 2019.
  - c. Review of list of certifications.
  - d. Distance Education Certificate of Completion review for teaching online. Offering Hybrid courses online in the future.
- V. Budget Review
  - a. Department budget is \$30,000 per year, from the state of California for parts and tools.
  - b. Grants
    - i. Perkins Grants – Review of how grants work.
      - 1. Introduction of Electric Vehicle Equipment and Course  
\$124,149.16
        - a. Two full electric vehicles (purpose-built electric vehicles) that are being purchased for the purpose of new classes that are being developed.
        - b. Valley High School, Artesia High School are some of the high schools that currently have these.
        - c. We should be receiving these before August 31<sup>st</sup>, 2019.
      - 2. Staying Current with Technology in Automotive Courses  
\$274,142.67
        - a. Purchase of new transmissions, (auto and manual) rear differentials, transfer cases, lift tables, and tools.
        - b. Purchase of alternative fuels training equipment: hydrogen training boards, fuel cell kits cars, high voltage fluke meters, A/C-D/C training boards, and additional tools and electrical testing equipment.
        - c. Question from the committee: Where does the school buy the specific parts of the transmission? Transtar quote received. David welcomed more diversity in the type of equipment that is purchased.
    - ii. Strong Workforce Grants:



# SANTA ANA COLLEGE

1. Maintaining Equipment and Tool Currency in Automotive \$140,400
    - a. Purchase of new tire machines and tire/wheel balancers from Hunter and John Beam, and additional tools for the suspension and chassis.
  2. Modernization Diesel Hydraulic Technology and Training Equipment \$279,659
    - a. Purchase of new hydraulic training equipment to replace really old equipment.
    - b. Auto Department is in the process of writing a new class, which will be a cross-listed class.
  3. Aligning the Automotive Department with Modern automotive Dealerships - \$176,800
    - a. Purchase of NC3 for three years, new tools, laptop computers, manufacturer specialty tools, and toolroom remodel.
    - b. The automotive department wants to model dealerships to help students be prepared for the workplace. Modern dealerships have builtin toolboxes and this grant will help accomplish that.
    - c. We are a Subaru University school, we are trying to build a connection with Hyundai and starting in August we are going to have Chrysler Mopar Local Program at Santa Ana College.
    - d. This grant will buy 30 laptops for students to be able to access information next to the car.
    - e. This grant will also buy tools for the Automotive Department.
  4. Modernization of Steering and Suspension Lab- \$121,956
    - a. Purchasing of three new alignment machines and one new scissor lift from Hunter Engineering.
- c. New equipment and tools
- i. Review of new equipment and the tools that are planned to be purchased. Committee members gave a suggestion that some of the tools that have been purchased are now older and that there are new models that can be purchased.
  - ii. Review of recent donations.
    1. Faculty reviewed the car donation process.
- VI. Curriculum Review/Overview
- a. Review of Introduction to Electric Vehicles (NEW COURSE) 54 hours of lecture and 54 hours of lab.
  - b. Review of New Certificate – **Electrical Vehicle Technician** (20-21 units)
    - i. Committee approved a new certificate with the addition of safety review on the AUTO 260 class.
  - c. Committee also recommended adding improvements to how students learn 3Cs (Complaint, Cause, and Correction) because dealerships need future employees



# SANTA ANA COLLEGE

to be prepared to be able to document appropriately. Verify, analyzing and isolation is something that is also used by other dealerships and the suggestion was made to incorporate these three steps into the courses or certificate.

- d. BAR manual is used during classes and the committee recommended to keep this process in the new certificate.
  - e. Review of **Introduction to Electric Vehicles**: Unit value was reviewed with the committee and committee approved the unit value of this certificate.
  - f. Review of **Hybrid Vehicles**: committee approved the course.
  - g. Review of **Automotive Business Technology (21 units)** – review of fully online certificate, which is not meant for technicians and instead meant for managers. Review of classes for this certificate and committee suggested having writing skills for this certificate. Committee also suggested having soft selling skills for students who take the Auto 200 class.
  - h. Committee members recommended that Auto 200 would be good for the technicians to learn.
  - i. Review of optional new course Auto 103 ( Cooperative Work Experience) and the committee discussed options on how this class can be scheduled between the college and the dealerships. Professor, David Roper, explained how dealerships can work in cooperation with Santa Ana College to be able to make this class an effective class for students. The goal of this course is not to be included in the Associate Degree, however, it could be included. The committee discussed issues between dropping this class and keeping employment with the dealership. If someone wants to intern at a dealership, they can choose not to get paid and the liability insurance is covered by Santa Ana College.
  - j. Review of the classes that are being modified and changed in the curriculum.
- VII. Class Scheduling
- a. Review of class schedules: 8:00 a.m., 1:00 p.m., and 6:00 p.m., twice a week. There are no overlap in classes and the classes are four hours, two times a week.
- VIII. Department Tour
- a. Review of changes to the Automotive Lab.
    - i. Transmission area
    - ii. East room to work on electric cars (engine room)
    - iii. The strategic positioning of tool boxes (8 matching sets)
    - iv. Alignment rack replacements
  - b. In the fall the committee will be asked to assess the Automotive Lab for safety.
- IX. Advisory Committee Input/Evaluation:
- a. Committee asked when the Automotive Department is getting a new building?
    - i. No information yet, however, the department chair is on the facilities committee.
  - b. New equipment Automotive should have:
    - i. DCA 8000 Mactronics – new equipment.
    - ii. Scan tools – Matco and Snap-on. Committee thinks the department should have six scan tools and recommend having the same type of scan tools.
    - iii. The committee recommends the building needs a new interior paint job.
    - iv. Committee thinks the building needs better cooling/shop fans.



# SANTA ANA COLLEGE

- v. Committee thinks that the students need more hands-on experience, they are asking to have increased lab time.
- X. Announcements
- a. Next meeting will be on Monday, December 16<sup>th</sup>, 2019 at 6:00 p.m.
  - b. The Automotive Department will be going out to the dealerships to visit and do ride alongs.
- XI. Adjournment
- a. This meeting was adjourned by the committee chair, Marty Rudd, and Assistant Professor, David Roper at 7:30 p.m.