
CAREER AND TECHNICAL EDUCATION – SUPPLEMENTAL QUESTIONS 2015

CTE programs must conduct a full program review every 4 years. The full review includes answering these supplemental questions. Every two years (once between full reviews) these supplemental questions must be answered and submitted to Academic Affairs for posting on the College website.

Use labor market data, advisory committee input, institutional data, and the provided CTE 2-year Program Review data to respond to the following questions:

1. How strong is the occupational demand for the program? As you analyze demand over the past 5 years and projected demand for next 5 years, address state and local needs for the program.

The Bureau of Labor Statistics summary below demonstrates the median annual wage earned by an automotive technician in May of 2013 was \$39,450 per year. The job outlook projects an average growth rate of 17% from 2010 through 2020, which generally is as fast as other occupations. Opportunities for qualified technicians are very good. Good technicians are in high demand and needed in our area.

The results of the CTE survey showed that completing CTE studies and training – whether or not a Credential I is earned, whether or not a student transfers – is related to positive employment outcomes. The preponderance of respondents are employed, are working in the same field as their studies or training, and are working full time. Respondents overall posted a 24.6% increase in their hourly wage after completing their studies at El Camino College and the vast majority were satisfied with the education and training they received.

Over the past 5 years (2009 vs. 2014) Automotive Technology jobs grew by 3% in Los Angeles County which was below the growth rates for the state (+6%) and nation (+8%). The demand over the next five years (2014 vs. 2019) seems solid, as job growth is expected to increase by 3% in Los Angeles County.

According to the Bureau of Labor Statistics, the job outlook looks promising as automobile ownership continues to increase which eventually leads to general maintenance and repairs, possibly creating more demand for entry-level mechanics. The BLS also notes that post-secondary training, particularly in advanced automotive technology (hybrid fuel or computer systems) will be beneficial and set jobseekers with that skill set apart from other candidates. Those lacking formal training will encounter stiff competition.

Demand over the past 5 years (2009-2014):

Region	2009 Jobs	2014 Jobs	Change	% Change	Median Hourly Earnings
Los Angeles County	19,302	19,880	578	3%	\$14.61
State	75,363	79,664	4,301	6%	\$17.42
Nation	720,268	780,682	60,414	8%	\$16.56
7.5 mile zip radius	3,040	3,110	70	2%	\$14.75

Occupation Breakdown - % Change (2009 vs. 2014):

Occupation	Description	Los Angeles County	State	Nation	7.5 mile zip radius
49-3023	Automotive Service Technicians and Mechanics	3%	6%	8%	2%
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	1%	3%	9%	8%
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	(5%)	(3%)	3%	(5%)
	Total	3%	6%	8%	2%

Demand for next 5 years (2014-2019):

Region	2014 Jobs	2019 Jobs	Change	% Change	Median Hourly Earnings
Los Angeles County	19,880	20,389	509	3%	\$14.61
State	79,664	82,774	3,110	4%	\$17.42
Nation	780,682	804,755	24,073	3%	\$16.56
7.5 mile zip radius	3,110	3,161	51	2%	\$14.75

2. How does the program address needs that are not met by similar programs in the region?

By providing students with a critical thinking process, the Automotive Technology program has produced successful professional technicians. Our graduates work at independent shops, automotive/truck dealerships and many other repair facilities. Many have found jobs in city organizations and municipal repair facilities. There are many city fleets that employ our graduates include: Gardena, Hawthorne, Lawndale, Long Beach, Los Angeles, Redondo Beach, Santa Monica; Torrance; municipal employers include: Metropolitan Transit Authority and the city and county of Los Angeles County, Rapid Transit Authority, and in the cities Orange County, Riverside County, San Bernardino County, San Diego County. Many of these Students have further advanced to become experienced team leaders and managers. Others own successful repair shops of their own. A few have returned to pass on their knowledge and experience as automotive instructors at El Camino College, other community colleges and other training institutions.

At El Camino College we have Certificates which are offered upon completion of specific number of courses and range from 16 to 40 units. The options are listed in the school catalog and in the following list. One certificate is pending state approval.

1. Automotive Air Conditioning Technician
2. Automotive Brakes/Suspension Technician
3. Transmission/Drive Train Technician
4. Automotive Engine Rebuilding/Repair Technician
5. Automotive Technician I
6. Automotive Technician II
7. Automotive Tune-Up Technician

Occupations shown in report include:

Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)

Electronic Equipment Installers and Repairers, Motor Vehicles (49-2096)

Automotive Service Technicians and Mechanics (49-3023)

Key Figures:

Annual Openings Estimate (2014)	523
Related Completions (2013)	1,273
Current Job Postings	456

3. What are the completion, success, and employment rates for the students?
 Discuss any factors that may impact completion, success, and employment rates.
 If applicable, what is the program doing to improve these rates?

ATEC faculty continues to encourage students to focus on their goals and achieve their dreams. Teachers take time during lectures and labs to give anecdotes of our successful students by stressing how success required commitment, dedication, sacrifice, and planning. These efforts contribute to the number of Associate degrees and certificates earned. The number of degrees remains fairly constant. As shown below the number of certificates declined during recessionary years but still has shown steady increase. We had more students receive certificates of completion than all of the departments in our division except for Fire Technology.

Completions for 2013-2014:

Associate	8	8
Certificate	43	43

Completions for 2012-2013:

Associate Degrees	6
Certificates	58

Completions for 2011-2012:

Associate Degrees	6
Certificates	27

Completions for 2010-2011:

Associate Degrees	8
Certificates	14

Completions for 2009-2010:

Associate Degrees	8
Certificates	15

Completions for 2008-2009:

Associate Degrees	4
Certificates	26

4. If there is a licensure exam for students to work in their field of study, please list the exam and the pass rate. If there are multiple licensure exams in the program, include them all. Discuss any factors that may impact licensure exam pass rates. If applicable, what is the program doing to improve these rates?

There are four California licensing exams that the state administers. The faculty are/or can be certified to offer supporting courses which are required of the students and technicians in the area to acquire completion of these particular courses, receiving a passing grade and then they can receive a State of California Certificate of Training before taking they are allowed to take the State exam or exams. ATEC students are advised to take their Automotive Service Excellence (ASE) national certification tests upon completing a specific course instead of waiting for graduation when their memory diminishes of learned skills and knowledge. The ASE certification requires passing the test and 2 years of work experience. ASE awards 1 year of experience for 2 years of attending school.

5. Is the advisory committee satisfied with the level of preparation of program graduates? How has advisory committee input been used in the past two years to ensure employer needs are met by the program? Describe any advisory committee recommendations that the program is either unable to implement or is in the process of implementing.

Past advisory members have expressed that in many cases they pleased with our students, they have good training, good abilities and they want to work and have good work ethics. Some our advisors have requested that we spend time on older vehicle technology, because many of the vehicles that they have in their fleet of vehicles are older vehicles as well as new vehicles. So the instructors have helped to present information and repair procedures that help to encompass the needs of our advisory committee members.

California Education Code 78016 requires that the review process for CTE programs includes the review and comments of a program's advisory committee. **Provide the following information:**

- a. Advisory committee membership list and credentials
- b. Meeting minutes or other documentation to demonstrate that the CTE program review process has met the above Education Code requirement.

Advisory Meeting Minutes & Survey Results
Auto Technology & Auto Collision Repair/Painting
April 22, 2015

Attendees:

Danny Votel, PPX Reps/Devilbiss	Valencia Rayford, ECC Counselor
Dave Wong, Mitsubishi Motors	Hiram Hirónaka, ATEC
Rob Lee, South Bay Tools/Snap-On	Harry Stockwell, ATEC
Steve Rall, Medco Tools/NAPA	Mike Anderson, ATEC
Steve Corbin, Eddings Bros. NAPA	Pati Fairchild, ACRP
Kathryn Carter, student representative	Brent Kooiman, ACRP

Meeting Notes:

ATEC Department News

Building/smart classroom tour
Hiram's retirement party info (May 1st, 4:30pm, CAT Building)
New instructor next fall pending acceptance
PRP requested equipment/funds

ACRP Department News

Students continue to request job placement partnerships (Danny & Steve C will help), upholstery/interior (Steve C gave biz card of potential instructor), and estimating classes (Chuck Owens volunteered to help w/ curriculum before mtg)
Proposal to start Autobody Club (students interested)
Board vote - club to replace Girls in the Garage? (No)
Industry outreach – 'Action Figures' campaign (vote to approve message: Approved)
Additional ideas: video promotion clip, video student resumes, community ed.
Admin. supportive of guest speakers and short outside training programs held here
NATEF status (ATEC & ACRP agree admin. permission granted but no help since, limbo)
Adv. Board: "What is value of NATEF certification?" (Donations in kind, status)
Next steps: assemble self-evaluation teams
Rob Lee has helped LATTTC with NATEF Certification
I-CAR Ed. Foundation Grant – need letter of recommendation from admin. & Adv. Board (Steve C and Danny volunteered to write letters, Valencia suggested ECC film dept. help with video requirement)
Success stories – success and completion #s exceeding state average more often recently
Possible 30% budget increase (Valencia: "Will it go to adding classes?" Don't know)
Kathy C received scholarship, Brian Demeules received academic recognition award \$

ACRP Compton Department News

Brent will boost focus on aluminum repair, TIG welding and fabrication. Ford & Mercedes

Advisory Member Feedback

Valencia: Career Coach program highlights campus programs & jobs – contribute!
Danny: Showed video shot during Brent's class of students using Devilbiss demo products
Valencia: ATEC day/night program separate? (No)
Harry: Value of 8-unit classes, supported by Brent
Steve C: Napa instructors from headquarters available for guest speaking/training
David: Mitsubishi (and Kia, Honda, Toyota) wants to donate cars, needs letters requesting cars/parts, can ECC provide crush certificates (promise to destroy, not sell/distribute)?