

CAREER AND TECHNICAL EDUCATION – SUPPLEMENTAL QUESTIONS

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.

-In the (Compton College Service Area,) Automotive Body, Paint, and Interior Repair and maintenance, in 2018 was at 55% as one of the top 10 industries. It has fluctuated upward since 2013 at a rate of 3%. (California State Wide) in 2018 was at 54.5% and fluctuated up at a rate of 8%. From 2018-2023, the (Compton College Service Area) should see an increase of 7.8%. The (National Average) should increase 6.4%.

Automotive Collision Repair & Painting:

Automotive Installation, Maintenance, and Repair Occupations

Note: The following data reflects the job market in the Compton College 7.5-mile service area.

Job Estimates - 2018: 1,000 (29% above national average in terms of job availability per area)

Percent Change in Number of Jobs from 2013-2018: +3.7% (National average: +8.3%)

Projected Change in Jobs from 2018-2022: +3.5% (National average: +5.1%)

Area Location Quotient: 1.29 (Numbers above 1.00 mean the occupation is more concentrated in the area compared to the nation. Numbers below 1.00 mean the occupation is less concentrated in the area.)

Top 10 Industries Employing Automotive Installation, Maintenance, and Repair Occupations (Compton College Service Area)

Industry	% of Occupation in Industry (2018)	% Change in Industry Jobs (2013-2018)
Automotive Body, Paint, and Interior Repair and Maintenance	55.2%	+3%
General Automotive Repair	16.5%	0%
New Car Dealers	7.2%	0%
Automotive Glass Replacement Shops	3.7%	+16%
All Other Automotive Repair and Maintenance	1.8%	-5%
Motor Vehicle Supplies and New Parts Merchant Wholesalers	1.6%	-6%
Other Automotive Mechanical and Electrical Repair and Maintenance	1.5%	-12%
Automobile and Other Motor Vehicle Merchant Wholesalers	1.3%	0%
All Other Transit and Ground Passenger Transportation	1.0%	0%
Automotive Oil Change and Lubrication Shops	1.0%	0%

Note: The following data reflects the job market in California.

Job Estimates - 2018: 21,133 (15% below national average in terms of availability per state)

Percent Change in Number of Jobs from 2013-2018: +9.3% (National average: +8.3%)

Projected Change in Jobs from 2018-2022: +6.3% (National average: +5.1%)

State Location Quotient: 0.85 (Numbers above 1.00 mean the occupation is more concentrated in the state compared to the nation. Numbers below 1.00 mean the occupation is less concentrated in the state.)

Top 10 Industries Employing Automotive Installation, Maintenance, and Repair Occupations (California Statewide)

Industry	% of Occupation in Industry (2018)	% Change in Industry Jobs (2013-2018)
Automotive Body, Paint, and Interior Repair and Maintenance	54.5%	+8%
General Automotive Repair	14.9%	+6%
New Car Dealers	9.1%	0%
Automotive Glass Replacement Shops	4.7%	+25%
All Other Automotive Repair and Maintenance	2.8%	+1%
Used Car Dealers	1.1%	+2%
Automotive Oil Change and Lubrication Shops	1.0%	-14%
Automotive Transmission Repair	0.9%	-3%
All Other Transit and Ground Passenger Transportation	0.8%	0%
Other Automotive Mechanical and Electrical Repair and Maintenance	0.8%	-14%

Automotive Technology:

Automotive Service Technicians and Mechanics

Note: The following data reflects the job market in the Compton College 7.5-mile service area.

Job Estimates - 2018: 4,276 (30% above national average in terms of job availability per area)

Percent Change in Number of Jobs from 2013-2018: +3.9% (National average: +5.9%)

Projected Change in Jobs from 2018-2022: +1.9% (National average: +4.3%)

Area Location Quotient: 1.30 (Numbers above 1.00 mean the occupation is more concentrated in the area compared to the nation. Numbers below 1.00 mean the occupation is less concentrated in the area.)

Top 10 Industries Employing Automotive Service Technicians and Mechanics (Compton College Service Area)

Industry	% of Occupation in Industry (2018)	% Change in Industry Jobs (2013-2018)
General Automotive Repair	35.8%	0%
New Car Dealers	16.0%	+12%
Automotive Body, Paint, and Interior Repair and Maintenance	9.7%	+4%
Automotive Parts and Accessories Stores	5.0%	-5%
Other Automotive Mechanical and Electrical Repair and Maintenance	3.6%	-17%
All Other Automotive Repair and Maintenance	2.5%	+2%
Tire Dealers	2.3%	+9%
Car Washes	2.2%	+10%
Local Government, Excluding Education and Hospitals	2.2%	-11%
Motor Vehicle Supplies and New Parts Merchant Wholesalers	2.0%	+35%

Note: The following data reflects the job market in California.

Job Estimates - 2018: 95,421 (11% below national average in terms of availability per state)

Percent Change in Number of Jobs from 2013-2018: +7.4% (National average: +5.9%)

Projected Change in Jobs from 2018-2022: +4.4% (National average: +4.3%)

State Location Quotient: 0.89 (Numbers above 1.00 mean the occupation is more concentrated in the state compared to the nation. Numbers below 1.00 mean the occupation is less concentrated in the state.)

Top 10 Industries Employing Automotive Service Technicians and Mechanics (California Statewide)

Industry	% of Occupation in Industry (2018)	% Change in Industry Jobs (2013-2018)
General Automotive Repair	34.6%	+6%
New Car Dealers	21.0%	+14%
Automotive Body, Paint, and Interior Repair and Maintenance	7.6%	+4%
Automotive Parts and Accessories Stores	4.3%	-1%
All Other Automotive Repair and Maintenance	3.7%	+7%
Used Car Dealers	2.6%	+11%
Tire Dealers	2.2%	+6%
Local Government, Excluding Education and Hospitals	2.2%	-9%
Other Automotive Mechanical and Electrical Repair and Maintenance	2.1%	-17%
Automotive Transmission Repair	1.8%	-5%

All Occupations Related to Vehicle and Mobile Equipment:

Vehicle and Mobile Equipment Mechanics, Installers, and Repairers

Note: The following data reflects the job market in the Compton College 7.5-mile service area.

Job Estimates - 2018: 9,084 (15% above national average in terms of job availability per area)

Percent Change in Number of Jobs from 2013-2018: +7.0% (National average: +8.7%)

Projected Change in Jobs from 2018-2022: +2.9% (National average: +4.5%)

Area Location Quotient: 1.15 (Numbers above 1.00 mean the occupation is more concentrated in the area compared to the nation. Numbers below 1.00 mean the occupation is less concentrated in the area.)

Top 10 Industries Employing Vehicle and Mobile Equipment Mechanics, Installers, and Repairers (Compton College Service Area)

Industry	% of Occupation in Industry (2018)	% Change in Industry Jobs (2013-2018)
General Automotive Repair	20.4%	+1%
Automotive Body, Paint, and Interior Repair and Maintenance	11.1%	+4%
New Car Dealers	8.6%	+12%
Automotive Parts and Accessories Stores	5.0%	+1%
Local Government, Excluding Education and Hospitals	3.0%	+8%
Other Personal and Household Goods Repair and Maintenance	2.4%	-2%
Tire Dealers	2.3%	+17%
Motor Vehicle Supplies and New Parts Merchant Wholesalers	2.3%	+17%
Other Aircraft Parts and Auxiliary Equipment Manufacturing	2.2%	+17%
Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	2.1%	+4%

Note: The following data reflects the job market in California.

Job Estimates - 2018: 211,934 (16% below national average in terms of availability per state)

Percent Change in Number of Jobs from 2013-2018: +10.6% (National average: +8.7%)

Projected Change in Jobs from 2018-2022: +4.9% (National average: +4.5%)

State Location Quotient: 0.83 (Numbers above 1.00 mean the occupation is more concentrated in the state compared to the nation. Numbers below 1.00 mean the occupation is less concentrated in the state.)

Top 10 Industries Employing Vehicle and Mobile Equipment Mechanics, Installers, and Repairers (California Statewide)

Industry	% of Occupation in Industry (2018)	% Change in Industry Jobs (2013-2018)
General Automotive Repair	18.8%	+8%
New Car Dealers	10.7%	+14%
Automotive Body, Paint, and Interior Repair and Maintenance	9.2%	+7%
Automotive Parts and Accessories Stores	4.5%	+5%
Federal Government, Military	4.3%	+13%
Local Government, Excluding Education and Hospitals	3.0%	+11%
Other Personal and Household Goods Repair and Maintenance	3.0%	-2%
Tire Dealers	2.3%	+13%
All Other Automotive Repair and Maintenance	2.1%	+8%
Used Car Dealers	1.3%	+12%

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

-The ACR/P program taught at Compton College is mostly hands on. With this approach, the students are shown in the class room the different procedures, brought in the lab to watch it demonstrated, and then are asked to perform these tasks. These teaching strategies, make the students prepared for the work industry

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?

-Success rates did fluctuate between 83.3% and 89.9% with two semesters in the 70's. Employment rates on the other hand, jumped from 14% to 79%.The success rates may be due to the fact that a student can get an entry level job at any point in their education process.

Associate of Science Degrees Awarded

	2014-2015	2015-2016	2016-2017	2017-2018
Automotive Collision Repair & Painting	1	0	0	1
Automotive Technology	1	0	0	3

Certificates Awarded

	2014-2015	2015-2016	2016-2017	2017-2018
Automotive Collision Repair & Painting	6	13	1	6
Automotive Technology	2	26	25	18

Success Rates

	FA2015	SP2016	FA2016	SP2017	FA2017	SP2018
Automotive Collision Repair & Painting	86.3%	83.3%	88.7%	79.7%	75.0%	89.9%
Automotive Technology	67.2%	71.0%	86.2%	78.8%	82.0%	82.1%

Employment Rates

	2014-2015	2015-2016	2016-2017	2017-2018
Automotive Collision Repair (TOP Code: 0949)	14%	40%	47%	79%
Automotive Technology (TOP Code: 0948)	35%	38%	64%	90%

Source: CCCCO CTE Core Indicator Summary Report

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?

-N/A

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.

-The Compton College Auto Collision Repair and Paint program, works hand in hand with the members of the advisory committee to ensure the level of education meets or exceeds the industries expectations for the entrée level technician. Together, evolving techniques, tools, and machinery are always current.

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.

1. LARGEST CHALLENGE

OWNERS CAN'T FIND LOCAL TALENT

TIERS OF EMPLOYEES

HARDER TO FIND WILLING WORKERS

CASH FOR COLLEGE BRINGS IN STUDENTS

THAT ARE NOT VETTED

ARE EMPLOYERS HIRING WITHOUT WORK

EXPERIENCE

INTERNSHIPS? ENDORSEMENT OF INSTRUCTOR

COORDINATING WITH SHOPS TO SPEND A

CERTAIN AMOUNT OF TIME IN/WITH HANDS

ON TRAINING

HAVE STUDENTS UNDERSTAND OTHER ROLES

MAY BE AVAILABLE / TECHNICIAN MAY BE

STEPPING STONE

COMING FROM HIGH SCHOOL NOT INFORMED -

SPEAKING TO COUNSELORS (WHAT IS THE BEST

APPROACH TO INFORM COUNSELORS) / WORK W/ STEVE
(NAPA)

ALUMNI VISITS

LONG TERM STUDENTS TAKING ADVANTAGE OF

THE SYSTEM

WHAT KIND OF OUTSIDE ACTIVITIES TO PROMOTE

PROGRAM

2. ALUMINUM TOOLS · MORE TOOLS / PROGRAMMING
 FULL FABRICATION THAN OTHER INSTITUTIONS
 LASER MEASURING · WRITING REQUESTIONS
 NITRO HEAT FOR NEW TOOLS / APPLICATION
 POWDER COAT OVEN · TIG WELDER / PLASMA CUTTER
 COLD MATCHING

- PROGRAM GETTING RESALE LICENSE
- EMPLOYED PREVIOUS STUDENTS
- EDUCATING BN SMART INVESTMENTS
- PROMOTING COLLISION, EXPOSING

3. LOOKING FOR WORKERS FOR UPWARD MOBILITY
 START AT MIN WAGE / SHOPS WILL TRAIN

4. NO REAL CERT. FOR ACRP / ICAR IS A TOOL
 PROBLEM W INDUSTRY

5. YES / BOTH, DTJ TRAINING, LEAVING PROGRAM
 HIKEABLE

6.

- BRINGING IN DIFFERENT PERSONALITIES OF VENDORS TO BE CURRENT IN THE INDUSTRY
- PRE & POST DIAGNOSTICS / VISUALLY, ELECTRONICALLY
- VENDORS WILL ASK SHOPS FOR TO ACCOMMODATE INTERESTED STUDENTS TO OBSERVE
- FIELD TRIPS
- BRINGING IN SUCCESSFUL SHOP OWNERS / EDUCATORS INTRODUCING THEMSELVES AND CREATING A RAPPORT W/ CLASS / STUDENTS
- SEMA / LATEST & GREATEST TOOLS / WRITING REQUESTIONS



CTE BUSINESS ADVISORY - ACRP PROGRAM

Date: December 4, 2019

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