Career and Technical Education Programs

Annual Update

A. Certificate of Achievement's and all degree programs must complete the entire document.
B. Programs with stackable certificates complete **Section I only** and include this page in the related degree program review.

SECTION I				
Name of Program: Automotive Technology			**TOP Code: 0948.00**	
Certificate Name	**JSC**	**CA**	**Is the certificate stackable?**	**Is the certificate a stand alone program?**
Auto Brake & Wheel Alignment		X	Yes	
Auto Engine Overhaul		X	Yes	
Auto Power Train		X	Yes	
Auto Tune-up		X	Yes	
Automotive Management		X	Yes	
Automotive HVAC		X	Yes	
Basic & Advance Clean Air Car		X	Yes	

1. Do you have certificates that are proposed for addition?

■ Yes ☐ NO If yes, list the certificates.

The new Automotive Curriculum model has replaced all the Pre 2017 Certificates and Degree with new ones.

2. Do you have certificates that are proposed for deletion?

■ Yes ☐ No If yes, list the certificates.

The new Automotive Curriculum model has replaced all the Pre 2017 Certificates and Degree with new ones.

Please see attached documentation for additions and deletions. Thank you.

SECTION II			
MEETS A DOCUMENTED LABOR MARKET DEMAND*			
Source of information (check all that apply)			
☐	Bureau of Labor Statistics (http://www.bls.gov)		
☐	State of California Labor Market Information (http://www.calmis.ca.gov)		
☐	Advisory Committee Meeting held on (date):		Attach Minutes
☐	Professional Association		
⊗	Other	EMSI Modeling Specialists	

Findings

What are the projected annual openings and median salary?

Occupation	2017 Jobs	Annual Openings	Median Hourly Earnings	Growth (2017-22)
Automotive Service Technicians and Mechanics	2,204	229	$19.52	5.72%
First-Line Supervisors of Mechanics, Installers, and Repairers	1,089	107	$37.55	5.88%
Industrial Machinery Mechanics	1,031	115	$28.81	11.06%
Mobile Heavy Equipment Mechanics, Except Engines	792	79	$25.04	2.27%
Bus and Truck Mechanics and Diesel Engine Specialists	768	82	$20.66	9.24%
Helpers--Installation, Maintenance, and Repair Workers	628	79	$12.74	3.98%
Aircraft Mechanics and Service Technicians	555	42	$32.36	(1.26%)
Farm Equipment Mechanics and Service Technicians	468	59	$17.75	12.82%
Installation, Maintenance, and Repair Workers, All Other	438	45	$15.93	4.11%
Maintenance Workers, Machinery	240	29	$23.46	9.17%
Wind Turbine Service Technicians	135	12	$22.60	(6.67%)
Avionics Technicians	85	7	$34.54	0.00%
Control and Valve Installers and Repairers, Except Mechanical Door	57	6	$33.67	8.77%
Millwrights	37	4	$25.29	8.11%
Electronic Equipment Installers and Repairers, Motor Vehicles	30	3	$11.43	(16.67%)
Electrical and Electronics Installers and Repairers, Transportation Equipment	28	3	$35.22	7.14%
Recreational Vehicle Service Technicians	28	3	$18.16	(3.57%)
Motorboat Mechanics and Service Technicians	24	3	$16.83	4.17%
Engine and Other Machine Assemblers	20	3	$18.79	10.00%
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	16	3	$22.09	37.50%
Elevator Installers and Repairers	16	2	$47.30	(6.25%)

List the SOC codes (Occupational Titles and codes) in which students who complete the CA will be able to obtain entry-level employment.

First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)
Automotive Service Technicians and Mechanics (49-3023)
Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)
Farm Equipment Mechanics and Service Technicians (49-3041)

Mobile Heavy Equipment Mechanics, Except Engines (49-3042)
Tire Repairers and Changers (49-3093)
Control and Valve Installers and Repairers, Except Mechanical Door (49-9012)
Industrial Machinery Mechanics (49-9041)
Maintenance Workers, Machinery (49-9043)
Millwrights (49-9044)
Helpers--Installation, Maintenance, and Repair Workers (49-9098)
Installation, Maintenance, and Repair Workers, All Other (49-9099)
Engine and Other Machine Assemblers (51-2031)

What are the number of jobs and percent change for the projected 5 year period?

Occupation	2017 Jobs	2022 Jobs	Change	% Change
Elevator Installers and Repairers (SOC 47-4021)	16	15	(1)	(6%)
First-Line Supervisors of Mechanics, Installers, and Repairers (SOC 49-1011)	1,089	1,153	64	6%
Avionics Technicians (SOC 49-2091)	85	85	0	0%
Electrical and Electronics Installers and Repairers, Transportation Equipment (SOC 49-2093)	28	30	2	7%
Electronic Equipment Installers and Repairers, Motor Vehicles (SOC 49-2096)	30	25	(5)	(17%)
Aircraft Mechanics and Service Technicians (SOC 49-3011)	555	548	(7)	(1%)
Automotive Service Technicians and Mechanics (SOC 49-3023)	2,204	2,330	126	6%
Bus and Truck Mechanics and Diesel Engine Specialists (SOC 49-3031)	768	839	71	9%
Farm Equipment Mechanics and Service Technicians (SOC 49-3041)	468	528	60	13%
Mobile Heavy Equipment Mechanics, Except Engines (SOC 49-3042)	792	810	18	2%
Motorboat Mechanics and Service Technicians (SOC 49-3051)	24	25	1	4%
Recreational Vehicle Service Technicians (SOC 49-3092)	28	27	(1)	(4%)
Mechanical Door Repairers (SOC 49-9011)	28	28	0	0%
Control and Valve Installers and Repairers, Except Mechanical Door (SOC 49-9012)	57	62	5	9%
Industrial Machinery Mechanics (SOC 49-9041)	1,031	1,145	114	11%
Maintenance Workers, Machinery (SOC 49-9043)	240	262	22	9%

Millwrights (SOC 49-9044)	37	40	3	8%
Wind Turbine Service Technicians (SOC 49-9081)	135	126	(9)	(7%)
Helpers--Installation, Maintenance, and Repair Workers (SOC 49-9098)	628	653	25	4%
Installation, Maintenance, and Repair Workers, All Other (SOC 49-9099)	438	456	18	4%
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers (SOC 51-2011)	16	22	6	38%
Engine and Other Machine Assemblers (SOC 51-2031)	20	22	2	10%

Based on the data above, discuss how your CA/program/course meets labor market demand? (Include supporting data such as advisory committee input, surveys, industry feedback, licensing or accreditation agencies)

ADDRESS CHANGES OR GAPS IN CORE INDICATOR RESULTS FOR THE PREVIOUS YEAR. LIST THE DATE OF THE CORE INDICATORS, THE SCORE AND DISCUSS THE FINDING.*

Core Indicator	Core Indicator Date	Program Percent	State Negotiated Performance Goal
Skill Attainment	2017-18	86.24%	87.28%
Completions	2017-18	78.26%	77.48%
Persistence	2017-18	86.79%	83.80%
Employment	2017-18	77.50%	78.75%
Non-Traditional Participation	2017-18	8.26%	21.36%
Non-Traditional Completion	2017-18	10.81%	23.54%
Discussion of Findings	Our program only missed the Skill attainment goal by 1% and employment by 1.25% and continues to outperform the College wide statistics. We continue to excel in Completions and persistence. While we continue to miss the unrealistic State Negotiated Goal in Non-Traditional Completion and Participation, we have improved consistently over the past several years. It is also worth noting the 100% of the Nontraditional students in our program and shown Persistence, Competition and gain Employment in our Industry.		

DOES NOT REPRESENT UNNECESSARY DUPLICATION OF OTHER MANPOWER TRAINING PROGRAMS IN THE AREA.*

List programs from other institutions (private/fee based/public):

Name of Institution	***Name of Program***	***Distance to College***	***Public/Private***	***Approx. Enrollment***
None			☐ Public☐Private	
			☐ Public☐Private	
			☐ Public☐Private	

Findings

What was the number of awards in this CA for each of the past three years?

	2014-15	2015-16	2016-17	Total
AS Industrial Tech: Automotive	9	4	9	22
Certificates of Achievement:				
Auto Brake & Wheel Alignment	9	4	8	21
Auto Engine Overhaul	9	17	13	39
Auto Power Train	7	8	9	24
Auto Tune-up	11	12	7	30
Automotive Management	2	2	1	5
Automotive HVAC	5	10	7	22
Basic & Advance Clean Air Car	3	3	11	17

What is the number of completions (awards) from our college?
158

What is the number of completions (awards) from regional colleges?
0

Does the above program represent unnecessary duplication of training programs in the area? Please explain.
No.

How often do/will you re-examine the effectiveness of certificate requirements? (curriculum review)
Annually.

Based on your results, what changes could you make in your program to meet or continue to exceed your target (such as course content, scheduling/sequence, outreach, instructional strategies)?
The new Automotive Curriculum model launch in Fall 2017 is expected to show improvement in all categories.

This information meets the state requirements for all CTE programs.

SECTION III-Attachments

- **Attach EMSI/Labor Market Data**
  (Include a Historical Report for the 5 year period prior to the year you are submitting the report. Then run a Projection Report for the 5 year period subsequent to the year you are submitting the report.)
- **Attach Core Indicator Data**
- **Attach Advisory Board Minutes**