

**PROGRAM APPROVAL APPLICATION**  
**NEW or SUBSTANTIAL CHANGE or LOCALLY APPROVED**  
**(This application may not exceed 3 pages)**

**Fill In Form**

Automotive Emission Control Specialist Certificate

Fall-2018

Proposed Program Title

Projected Program Start Date

Fullerton College

North Orange County Community College District  
 District

**Contact Information**

Doug Benoit  
 Voting Member

Dean Business & CIS Office  
 Title

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 Phone Number

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 Email

**Goal(s) of Program (Check all that apply):**

- Career Technical Education (CTE)       Transfer       Other

**Type of Program (Check all that apply):**

- Certificate of Achievement 12-17 (or 17-27 quarter) units       Certificate of Achievement 18+ semester (or 27+ quarter) units  
 Associate of Science Degree       Associate of Arts Degree

**Reason for Approval Request (Check One):**

- New Program       Substantial Change       Locally Approved

**Program Information**

0948.00      Recommended [Taxonomy of Program \(TOP\) Code](#)

\_\_\_\_\_      Units for Major-Degree

\_\_\_\_\_      Total Units for Degree

18      Required Units-Certificate

**Written Form**

**1. Insert the description of the program as it will appear in the catalog. (See PCAH pp. 142 and 170)**

Automotive Emission Control Specialist Certificate

The Emission Control Specialist Certificate will prepare the student for The National Institute of Automotive Service Excellence (ASE) Exams, The State of California Smog Check Inspector License Exam, and/or the State of California Smog Check Repair Technician License Exam. Completion of the Emission Control Specialist Certificate, ASE Exams, The California Smog Check Inspector Exam, and The California Smog Check Repair Technician License Exam will enable a student to seek employment within the California Smog Check Program. The Emission Control Specialist Certificate Program requires a total of 18 units of which 18 units are in required courses.

**2. Provide a brief rationale for the program.**

**Current and Future Employment**

- In Orange County, the number of occupations related to automotive emission control testing and repair is expected to increase by 4% percent over the next five years. More than 1,161 job opportunities will be available annually for this group of occupations through 2021 due to new job growth and replacement need (e.g., retirements). Table 1 contains detailed employment projections data for these occupations. It is important to note that since automotive emission control specialists are emerging occupations, they are currently housed within two larger occupations: automotive service technicians and mechanics, and transportation inspectors. The data below is for all of these occupations, not just automotive emission control specialists.

**3. Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program. (See PCAH pp. 85-88, 136, 147, 148, 165, 168, and 176)**

**Table 1 – Five-year projections for automotive emission control specialists occupations in Orange County**

SOC	Occupation	2016 Jobs	2021 Jobs	2016 - 2021 Change	2016 - 2021 % Change	Annual Openings
49-3023	Automotive Service Technicians and Mechanics	6,382	6,665	283	4%	1,154
53-6051	Transportation Inspectors	26	30	4	15%	<10
		<b>6,408</b>	<b>6,694</b>	<b>286</b>	<b>4%</b>	<b>1,161</b>

Source: Economic Modeling Specialists International (EMSI)

**4. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (There is space for 10 listings, if you need more, please contact [laocrc@rscdd.edu](mailto:laocrc@rscdd.edu))**

Currently, there are five community colleges in Orange County that train students in programs related to automotive technology. Exhibit 11 displays the headcount and annual average community college awards for each of the colleges training in this field. Headcount is the actual number of students enrolled, regardless of credit hours. It is also important to note that an award is not equivalent to a single person in search of a job opening, since a student may earn more than one award (e.g. an associate degree and a certificate). Between 2012-2015, the total annual average community college awards conferred was 365 (22 associate degrees and 354 certificates) across the Automotive Technology (0948.00) program.

**Table 11 – CCC Student Awards (by TOP and College)**

2012 – 2015 Annual Average						
TOP Code	Program	College	CCC Headcount	CCC Associate Degrees	CCC Certificates	Total Average CC Awards
0948.00	Automotive Technology	Cypress	437	5	187	192
		Fullerton	395	4	4	8
		Golden West	395	3	34	37
		Saddleback	459	4	22	25
		Santa Ana	419	6	107	113

Source: California Community Colleges Chancellor's Office MIS Data Mart

5. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (There is space for 20 listings, if you need more, please contact [laocrc@rsccd.edu](mailto:laocrc@rsccd.edu)). (See PCAH pp. 143 and 171)

Courses	Course Number	Course Title	Units
Required core	Auto 082 F	Automotive Engine Performance and Drivability	8
Required core	Auto 088 F	Fuel Systems and Advanced Drivability Diagnosis	4
Required core	Auto 090 F	Emission Control systems and Advanced Diagnosis	6
Total			18

6. Include any other information you would like to share.