

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

**Fill In Form**

Automotive Diesel Technician

Proposed Program Title

Golden West College

College

Coast Community college District

District

Spring 2016

Projected Program Start Date

Angela Allison

Voting Member

Interim Dean of CTE & Business

Title

714-895-8156

Phone Number

aallison@gwc.cccd.edu

E-mail Address

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

Career Technical Education (CTE)

Transfer

Other

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

A.S. Degree

A.A. Degree

Certificate of Achievement:

18+ semester (or 27+ quarter) units

12-18 semester (or 18-27 quarter) units

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

New Program

Substantial Change

Locally Approved

**Program Information**

Recommended Taxonomy of Program (TOP) Code 0947.00

Units for Major-Degree 19.5

Total Units for Degree 60

Required Units-Certificate 19.5

**Written Form**

1. Insert the description of the program as it will appear in the catalog.  
 The Automotive Diesel Technician program will provide students with training necessary to service and repair light duty/passenger diesel vehicles. A student’s course flow will cover automotive engines, electricity and electronics, vehicle drivability and emissions, and modern diesel specific systems. Vehicles covered will range from small cars to full size turbo diesel pick-up trucks. The courses within the program will consist of learning theory and operation, as well as hands-on laboratory learning. The Automotive Diesel program is designed for students who are completing the Automotive Technology program at GWC, or existing technicians looking to become qualified to work on light duty diesel vehicles. This program will help prepare students for the Automotive Service Excellence (ASE) A1, A6, A8, and A9 industry standard tests. This certificate is part of our AA degree options
2. Provide a brief rationale for the program.  
 This program will help to meet the need for qualified technicians that service late model clean diesel cars, and light duty diesel trucks. Currently seven (7) manufacturers have released a diesel engine; however most others are presently working on a diesel engine for the U.S. market automobiles. The rapidly growing diesel vehicle population is currently being overlooked by most institutions, with the exception of factory specific training. This program is an effort to keep up with ever improving industry technology, and get ahead of the training curve.
3. List all courses required for program completion, including core requirements, restricted electives and prerequisites. (Push Enter after each entry to begin a new line)

Courses	Course No.	Course Title	Units
Automotive Engine Repair	G110	Engine Repair	5
Automotive Electrical (Advanced)	G121	Electrical/Electronic Systems: Advanced	5
Automotive Engine Performance (Advanced)	G131	Engine Performance: Advanced	4.5
Automotive Diesel	G175	Automotive Diesel	5

4. Summarize the Labor Market Information and employment outlook (including citation of the source of the data) for students exiting the program.  
 Using data collected from California’s labor market website below, Automotive Service Technicians and Mechanics (SOC Code: 49-3023) shows there were an estimated 64,000 automotive technicians in the entire state of California in the year 2013 with 25,587 in the LA/OC region. Projections to 2016 show a growth of 895 in that same LA/OC Region. The year 2022 projections statewide show an estimate of 73,800 jobs. The increase over 10 years is expected to be about 9,600 technicians, or about 15%.  
[http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSDetails.asp?searchCriteria=diesel&ca\\_reerID=&menuChoice=&geogArea=0601000000&soccode=493023&search=Explore+Occupation](http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/occExplorerQSDetails.asp?searchCriteria=diesel&ca_reerID=&menuChoice=&geogArea=0601000000&soccode=493023&search=Explore+Occupation). This is also the same data supplied by our local Center of Excellence using the EMSI industry data from the California Labor Market Information Department.

Although not vetted for its data collection processes, the link below shows the impending need for EV and Hybrid trained technicians will inherently be on the rise shown by the increased volume of EV/Hybrid vehicles have been purchased in recent years.

[http://study.com/articles/Hybrid\\_Car\\_Technician\\_Job\\_Outlook\\_and\\_Requirements\\_for\\_a\\_Career\\_in\\_Hybrid\\_Car\\_Technology.html](http://study.com/articles/Hybrid_Car_Technician_Job_Outlook_and_Requirements_for_a_Career_in_Hybrid_Car_Technology.html)

In addition, as of March 4, 2015, there are currently 96 open positions for automotive technicians within 25 miles of Huntington Beach zip code 92647 according to US.Jobs website, part of the National Labor Exchange. A 50 mile search shows 150 automotive technician positions, again using 92647 zip code.

<http://us.jobs/results.asp?jobcategory=49302300&rd1=25&zc1=92647>

5. List similar programs at other colleges in the Los Angeles and Orange County Region which may be adversely impacted. (Push Enter after each entry to begin a new line)

College	Program	Who you Contacted	Outcome of Contact
Cerritos College	Automotive Mechanical Repair Tech	Nick Real	No Response
Cypress College	Automotive Technology	Steve Donley	No Response
Citrus College	Automotive Service	Jim Lancaster	Question answered
East Los Angeles College	Automotive Technology	Paul De La Cerda	No Response
El Camino College	Automotive Technology	Virginia Rapp	No Response
Fullerton College	Automotive Technology	Scott McKenzie	No Conflict
LA Pierce College	Automotive Technology	Jose Luis Fernandez	No Response
LA Trade Tech College	Automotive Technology	Nicole Albo-Lopez	No Response
Pasadena City College	Automotive Technology	Salomon Davila	No Response
Rio Hondo College	Automotive Technology	Bruce Noble	No Conflict
Saddleback College	Automotive Technician	Tony Teng	No Conflict
Santa Ana College	Automotive Technology	Bart Hoffman	No Conflict

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

Please contact Paul Kelley if you have curriculum questions at [pkelley@gwc.cccd.edu](mailto:pkelley@gwc.cccd.edu).

New course Auto G175 was approved by GWC curriculum committee on March 3, 2015