

Test Drive an Auto Technician Career

Presented by: Chaffey College , Mt. San Jacinto College



in partnership with

The California New Car Dealers Association Foundation
&

Advanced Transportation and Logistics
Inland Empire / Desert Region



Welcome!



HOUSEKEEPING

- ✓ Questions can be asked throughout the session via the chat function.
- ✓ Questions not answered during the webinar will be addressed *after* the webinar closes, and information will be posted on partner websites and distributed via email by teacher or instructors.
- ✓ Please keep yourself muted during the presentations.
- ✓ The recording and a copy of slides will be sent to you after the webinar!





Meet our Esteemed Panelists

What you can expect to learn today!

- ❖ “Information on an Auto Tech Career”
 - ❖ K.C.Heidler, CNCDA Foundation Director, President & CEO Tom’s Truck Center
- ❖ “Day in the Life of an Auto Tech”
 - ❖ Giselle Cortez, Auto Technician
- ❖ “A great career starts with a solid education”
 - ❖ Larry McLaughlin, Regional Director, Employer Engagement
Advanced Transportation & Logistics, Inland Empire/Desert Region
 - ❖ Jonathan Polidano, Faculty, Chaffey College
 - ❖ Tom Oxford, Faculty, Mt. San Jacinto College
 - ❖ Manny Montanez, Service Manager, Ontario Volkswagen
 - ❖ Danielle Whitmore, Scholarship & Outreach Manager
 - ❖ Sandra Bravo, Industry Technician, Program Graduate (Chaffey College)

Hello!

KC Heidler

CNCDA Scholarship Foundation Director

CNCDA Regional Director

President & CEO Tom's Truck Center, Santa Ana



The Critical Shortage

Auto Technicians help keep Californians moving !

46,000

JOBS



Automotive Industry Workforce Initiative

US: The CNCDA Scholarship Foundation has awarded scholarships to over 1,300 students, totaling over \$1,000,000.

THEM: National Auto Dealers Association (NADA) launched a workforce initiative with the goal of promoting the value of dealership jobs, especially **service technicians**.

TOGETHER: The NADA & CNCDA Scholarship Foundation have united efforts with state dealerships, factories, and suppliers to tackle the technician shortage crisis.



**CAR CAREERS SCHOLARSHIP OPEN NOW –
APPLICATION DEADLINE JUNE 15!** CNCDA.ORG/FOUNDATION



NATIONAL AUTOMOBILE
DEALERS ASSOCIATION

Auto Technology – fast, furious and fun!

The Grease to Geek Evolution:

- No more rebuilding oil lubricated engines.
- Technicians will need to know how to pull data and code from car systems such as Black Boxes.
- Lithium Ion Batteries & Hydrogen Fuel Cells
- Lidar, Radar, Ultrasound, Cameras, V2X.



Facts about the Future

01

California will only sell EV's & Fuel Cell Vehicles in 2035
– No more Gas!

02

Google Self Driving Vehicle Test proved they can prevent
95% of all auto accidents.

03

Ride Share Companies are losing \$ every month,
their formula for success is based on autonomous
vehicle.



KC & his Mach E

What does an auto tech job pay?

\$54,540

That's the median Income, per year

Bureau of Labor Statistics, California, May 2020 report





Day in the Life of an Auto Technician

Ford / Lincoln

Why I chose the automotive field



✓ Interest

Enjoyed working on vehicles at home. Always attended car shows.

✓ College

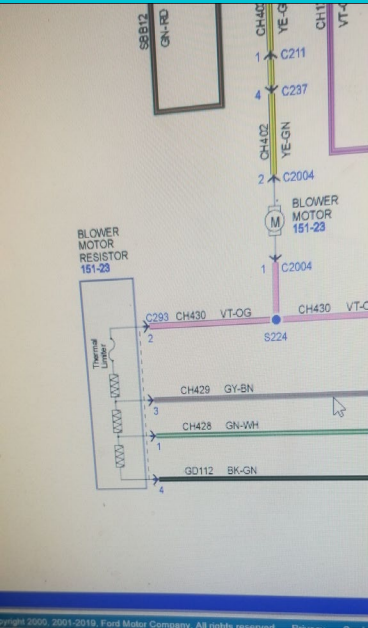
Programs are available to students who are seeking their AS Degree with opportunities for internships through the Ford ASSET Program at CRC.

✓ Career Opportunities

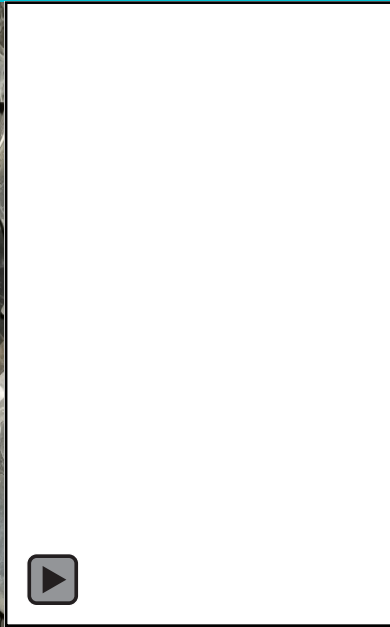
With a wide range of opportunities available. Earning a degree in automotive technology can be your first step in the door to becoming an automotive technician.

What Does a Typical Day Look Like?

Diagnosis



Repair



Maintenance Services



What Does my Future Hold in this Career?



Automotive Technician



Major: Automotive Field
Service Operations



Field Service Engineers

THANK YOU!



 **Giselle Cortez**
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 **(916) 892-6851**

Transportation Employment Outlook

Inland Empire/Desert Region

May 2021

Data Provided By



C • O • E

CENTERS OF EXCELLENCE
FOR LABOR MARKET RESEARCH

Transportation Occupations

Jobs and Earnings

Occupations	Annual Job Openings	25 th Percentile Earnings	Median Earnings	75 th Percentile Earnings
Heavy and Tractor-Trailer Truck Drivers	4,026	\$17.51	\$22.64	\$29.32
Light Truck Drivers	1,978	\$13.59	\$18.92	\$27.72
Automotive Service Technicians and Mechanics	1,126	\$13.84	\$19.31	\$25.39
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	1,113	\$20.51	\$27.07	\$33.86
Bus and Truck Mechanics and Diesel Engine Specialists	394	\$17.87	\$23.51	\$29.95
Mobile Heavy Equipment Mechanics, Except Engines	189	\$26.25	\$30.27	\$35.82
Aircraft Mechanics and Service Technicians	135	\$25.05	\$34.83	\$50.61

Transportation Occupations Jobs and Earnings

Exhibit 10: Advertised salary information, Oct 2019 – Sep 2020

Job Title	Number of job postings	Real-Time Salary Information				Average Annual Salary
		Less than \$35,000	\$35,000 to \$49,999	\$50,000 to \$74,999	More than \$75,000	
Automotive Service Technicians and Mechanics	740	27%	37%	31%	5%	\$46,000

Source: Burning Glass – Labor Insights

Transportation Occupations

Jobs and Earnings

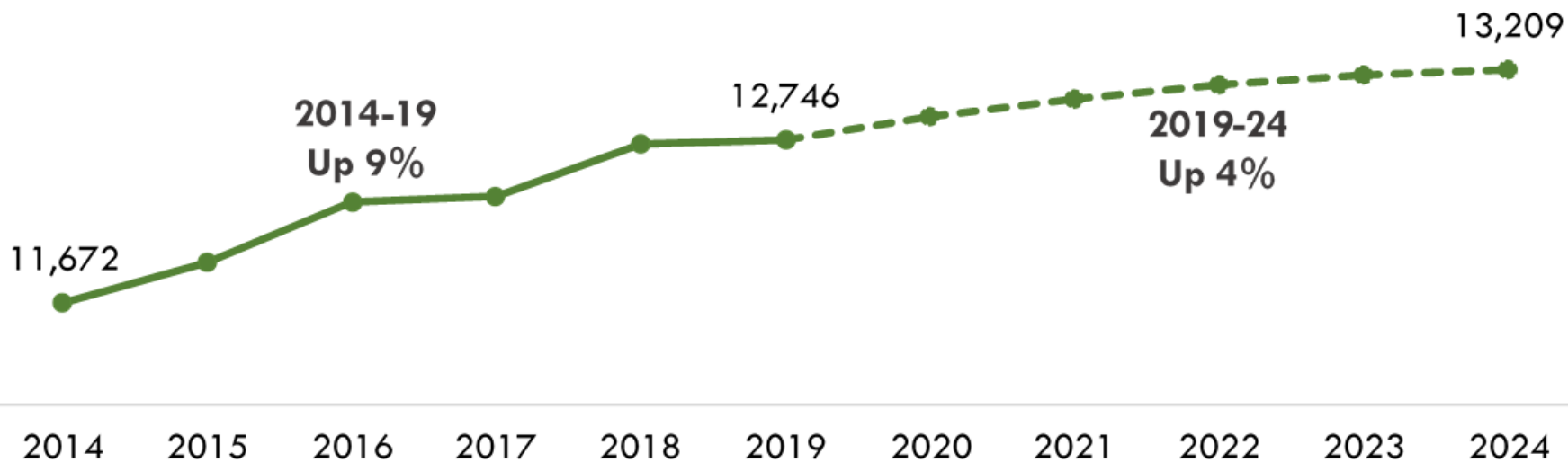
Exhibit 1: Five-year projections for automotive service technicians and mechanics

Occupation	2019 Jobs	2024 Jobs	5-Yr % Change (New Jobs)	5-Yr Openings (New + Replacement Jobs)	Annual Openings (New + Replacement Jobs)	% of workers age 55+
Automotive Service Technicians and Mechanics	12,746	13,209	4%	6,765	1,353	22%

Source: EMSI 2020.3

Transportation Occupations Jobs and Earnings

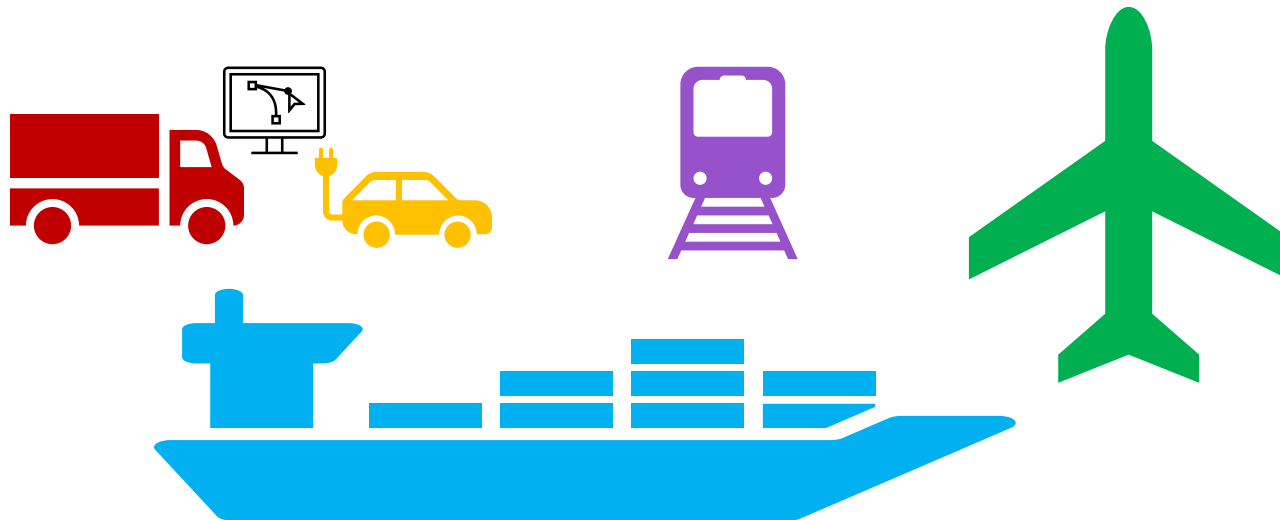
Exhibit 2: Historical and projected jobs for automotive service technicians and mechanics, 2014 – 2024



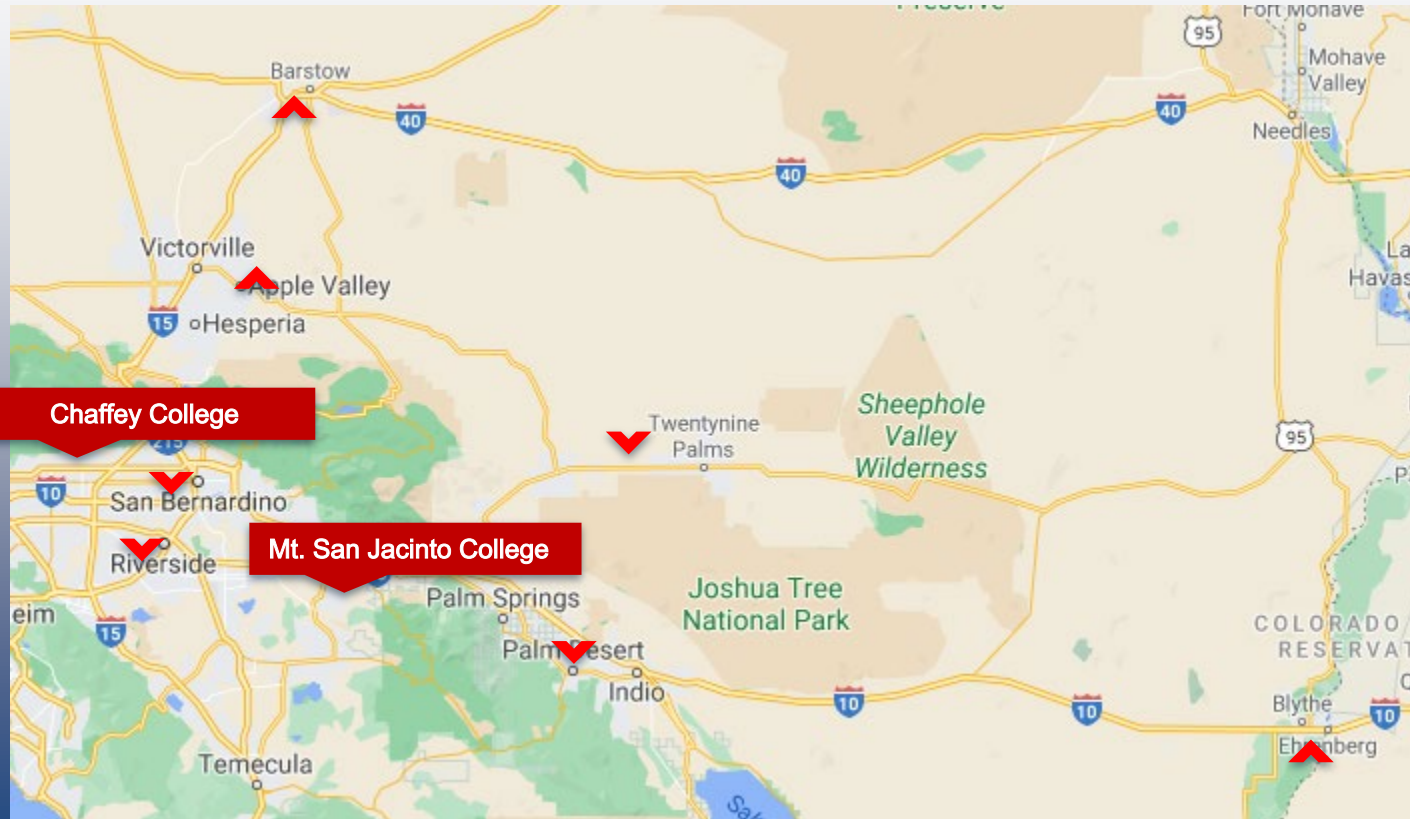
Transportation Trends

Over-the-road vehicles:

- Becoming cleaner with new propulsion systems
- Becoming more high-tech with systems such as ADAS and networked communication and entertainment



College automotive programs in our corner of the world



Chaffey College Automotive Degree/Certificate Programs Offered

- General Automotive Technician A.S. Degree (21-24 Units+GE)
- Master Automotive Technician A.S. Degree (39-42 Units+GE)

****General Education requirements must be met to obtain A.S. Degrees****



- General Automotive Service Technician Certificate (21 -24 Units)
- Master Automotive Service Technician Certificate (39 -42 Units)
 - Engine Building Certificate of Career Preparation (10 Units)
- High Performance Engine Building and Blueprinting Certificate of Career Preparation (15 Units)
 - Automotive Electrical Systems Certificate of Career Preparation (14.5 Units) ****includes hybrid vehicle courses****
- Engine Performance (Smog Check) Technician Certificate of Achievement (23 Units)

Mt. San Jacinto College Automotive Degree/Certificate Programs Offered

- **General Automotive Technician A.S. Degree (36 Units+GE)**

The 36 units are comprised of Certificate courses (20) and Electives (16)

****General Education requirements must be met to obtain A.S. Degrees****



- **General Automotive Service Technician Certificate (20 Units)**

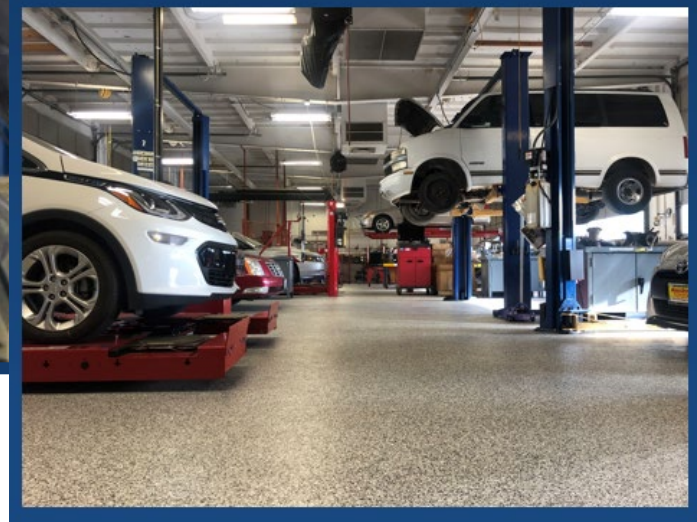
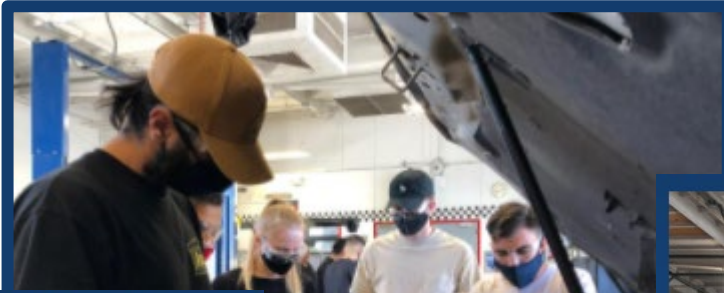
Certificate courses: basic, brakes, steeringetc, electrical, engine

Employment Concentration Certificates:

- **Engine Performance (11 Units– adv engine, adv electrical, hybrid and EV)**
- **General Technician (14 Units– engine theory/repair, transmissions)**
- **General Certification (11 Units – 3 courses in maint. and light repair)**

Shop Talk

24



The shop at college will get you where you need to go
But sometimes there are even **more opportunities** .

The shop at college will get you where you need to go
but sometimes there are even **more opportunities**
for Work-Based Learning

INTERNSHIP

Often available part-time in High School

Sometimes paid, always good exploration, often solid instruction

APPRENTICESHIP

Full-time paid employment, continuing school work, waiver of tuition, structured OJT, earn certificate

Recommended Key Competencies

(These assist us in developing our Career Pathways)

Basic/Advanced Computer Skills

-Computer use is a requirement in almost every aspect of vehicle diagnosis and repair.

Reading and Writing

-The ability to communicate with a customer (or service writer) and properly document recommended and finished work is essential.

Math Skills

-Basic mathematical equations and conversions are common in automotive repairs.

Employability/Soft Skills

-Transferable soft skills are essential to attaining and maintaining employment in the industry.

Fast Track Program

Currently being taught on our Rancho Cucamonga and Fontana High School campuses.

- A one-year, two-course program that can be started either Fall or Spring semester.
- An affordable option for our students. Total cost is just under \$2,000 (or less if student qualifies for financial aid).

Autotec 450: Covers Brakes, Steering & Suspension, and Basic Services/Inspections

Autotec 455: Covers Fuel, Emissions and Ignition; Air Conditioning; and Electrical




Accelerated Program

through youth apprenticeship

**Currently under development on our San Jacinto
and Hemet High School campuses.**

- **Less than two years, depending on the courses completed in high school**
 - **Registered apprenticeship offers tuition -free courses and job placement while going to school**

ASE Certified Programs: Both MSJC and HHS are ASE approved and the high school articulates all the MSJC “Certificate courses” so any that are completed will advance the student along the apprenticeship pathway.





CAR CAREERS Scholarship

Shift your auto tech career into gear!

Our Mission:

California New Car Dealers Association (CNCDA) Scholarship Foundation is dedicated to ensuring a robust and highly skilled automotive service labor force to meet the critical workforce demand in California's retail automotive industry.



CAR CAREERS SCHOLARSHIP OPEN NOW –
APPLICATION DEADLINE JUNE 15! CNCDA.ORG/FOUNDATION

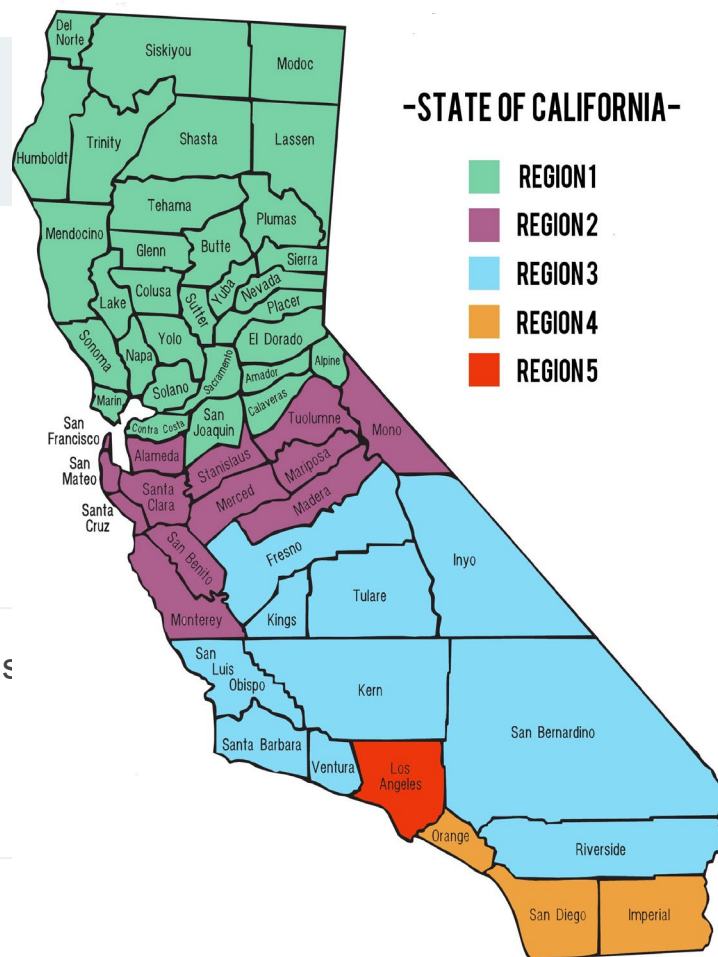


Working Together to Serve CA

California New Car Dealers Association (CNCDA) & CNCDA Scholarship Foundation

The Scholarship Foundation is funded by generous donations from

The California New Car Dealers Association, along with
Dealers, Manufacturers and friends of the industry.



\$1,091,437 award dollars

That's a lot of money!

1,326 students

Received scholarships!

100% Positive Impact

Helping students turn their passion in a career!



**CAR CAREERS SCHOLARSHIP OPEN NOW –
APPLICATION DEADLINE JUNE 15!** [CNCDA.ORG/FOUNDATION](https://cncda.org/foundation)

“

The CAR CAREERS scholarship helped me move forward on the career path that I chose. With financial assistance from the CNCDA Foundation, I was able to pay for certification tests and continue my journey to become an auto tech. I highly recommend students take advantage of this opportunity! The overall scholarship application process was quick and easy.

”

Samuel Arias

2019 CNCDA Scholarship Recipient
Cypress College Automotive Technology Student



Cue the Confetti “CAR CAREERS” Scholarship is here !

LARGER AWARDS

More significant awards
of **\$5,000** per student
recipient.



GEOGRAPHIC EQUITY

Four student recipients
per region, totaling **20**
winners statewide



One winner will receive
an additional **\$5,000**
STATEWIDE AWARD



Award funding will
cover tuition and fees,
books and tools for
students.
Funding



CAR CAREERS Scholarship

Shift your auto tech career into gear!

Application is Open NOW !!

Application deadline: June 15, 2021 @ 11:59 pm Pacific Standard time.

Funding is for the 2021-2022 academic year.

California residents of all ages, including High School Graduates, Current College Students, Veterans, and Women are encouraged to apply.

Eligibility details @ www.cncda.org/foundation.

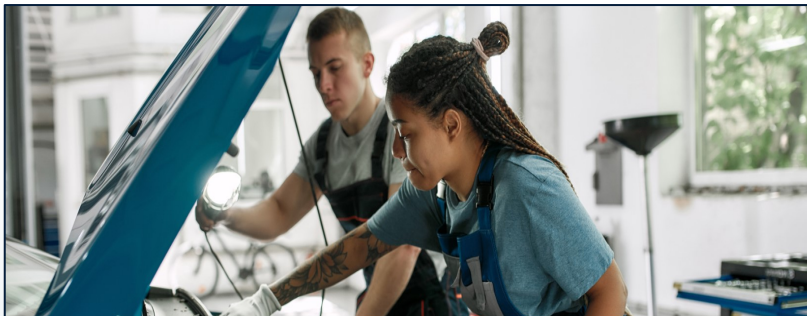




Visit cncda.org/foundation

To find all the Tools to help you Apply!

- Sample Application
- Eligibility Requirements
- FAQ's
- Notes for Success
- Contact information
- Link to the Application Portal
- Application Deadlines



CNCDA Foundation's Car Career Scholarship Deadline to apply: June 16, 2021 1:59 am CT

The California New Car Dealers Association and its Scholarship Foundation are thrilled to announce the launch of our new Car Careers Scholarship Application – 2.0. Together we have powered a vision to fill the fierce demand for the auto technician and management roles critical to the industry. We are honored to have awarded scholarships to over 1,300 students, totaling over one million dollars.

As you prepare to "Shift your Auto Tech Career into Gear!" make sure you follow the guidelines and submit your completed application on time. In

“CAR CAREERS” Scholarship Roadmap

Download the Sample Application and fill it out !

1

REGISTERED? Great!
Select the scholarship button
to be “matched” to the CNCDA
Car Careers Scholarship

3

Upload your personal
recommendation contact info:
a name and email address.

5

Click on the
Apply Now link @
cncda.org/foundation
and REGISTER !

2

Complete the Application –
Using your pre -prepared
application form.
– Easy Peasy

4

Review your answers.
Then LOCK & Submit!
Nice Work!

6

Awards
Announced
August, 2021



Apply today !

Any questions?

You can find me at:

- scholarship@cncda.org
- 916.403.7942
- cncda.org/foundation

Danielle Whitmore, Scholarship & Outreach Manager



Thank you for attending!

LOOK in your Chat Box -

A contact information sheet is there for you to download !

Look for an email with a survey,
recording of todays webinar & slides

PLEASE CONTACT US IF YOU HAVE QUESTIONS

- Danielle Whitmore at Dwhitmore@cncda.org
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