



## SECTOR SPOTLIGHT: TRANSPORTATION (SYSTEM DIAGNOSTIC & REPAIR)

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### STUDENT QUESTIONS & ANSWERS

**Why did you pick this pathway?**

I chose this pathway because I have always wanted to be a mechanic and I enjoy working on cars.

**Favorite thing you learned in your pathway?**

I have learned about shop tools and their purposes. My favorite part was when students were assigned a group project to disassemble motors, reassemble them, and get them running again.

**Briefly describe your participation in experiences and activities related to your pathway.**

I use techniques I learned in my auto class when working on transmissions at home.

**Favorite memory of being a part of the pathway.**

My favorite memory is from our field trip to Fresno City College on Career Day. We explored their job fair and received free items like Chick-fil-A sandwiches, snacks, and other giveaways from the various booths.

**Advice to students interested in your pathway.**

My advice to students is to make the most of every opportunity and have fun, because your future depends on you and the choices you make.

**Do your future goals include what you learned in your pathway?**

Yes. I plan to become an avionics mechanic and work on aircraft in the Air Force, or a heavy equipment mechanic in the Army or Marines.

**What are your plans after high school?**

My plans after high school are to join the military for a few years and eventually return to school to open my own automotive repair shop.

**How has this pathway prepared you for the future?**

This pathway has helped me further educate myself on the use of tools as well as how to repair and maintain equipment.



**NAIMA ESTRELLA**  
AUTOMOTIVE PATHWAY

SENIOR

### PATHWAYS AT A GLANCE

The Transportation (System Diagnostics & Repair) sector prioritizes providing students with real-world, job-related experiences. At Dinuba High School, students can choose between two distinct pathways within this sector, both designed to prepare them for college and careers in the transportation industry. These pathways encompass a broad range of fields, including motor vehicles, small engines, and specialty equipment.

The **Automotive Pathway** establishes a strong foundation for students pursuing careers in the automotive transportation industry. The curriculum covers the design, construction, and mechanical functions of modern vehicles, focusing on areas such as engine repair, suspension and steering systems, brakes, and electrical/electronic systems. Additionally, students learn essential safety protocols and the proper use of automotive tools and equipment.

The **Aviation Maintenance Tech/Flight Science Pathway** provides students with a solid introduction to the aviation transportation industry. Courses focus on the theory and operation of aircraft airframes, power plants, and avionics systems, along with associated maintenance and repair practices. The program also includes an introduction to flight school, where students learn the fundamentals of flight training and ground school using flight simulators. Coursework for this pathway is conducted at Reedley College.

Both pathways combine academic and technical preparation with career awareness, exploration, and skill development. Students benefit from a blend of classroom instruction, hands-on experience, project-based learning, work-based learning opportunities, and leadership development.

### PATHWAYS AT DHS



\*Automotive    \*Aviation Maintenance Tech/Flight Science

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# TRANSPORTATION (SYSTEM DIAGNOSTIC & REPAIR)



## COLLEGE KNOWLEDGE

Dinuba High School provides two distinct pathways within the Systems Diagnostic and Repair sector: Automotive and Aviation Maintenance Tech/Flight Science. Each pathway equips students with foundational knowledge and skills, preparing them for real-world applications or various collegiate pursuits.

According to the Workforce Investment Board of Tulare County, in 2023, there were a total of 89,856 jobs in the Fresno, Tulare, and Kings County region, and the greatest percent of those jobs were shared by the General Freight Trucking and Warehousing & Storage industries. Top programs in Central California include [Reedley College \(Auto & Aviation\)](#), [Clovis Community College](#), [Fresno State & Universal Technical Institute](#).

Click on the links above or use the QR codes below to explore the programs at each college and university.



## UPCOMING EVENTS

### January 13

Classes resume

### January 16

School-wide Guest Speaker

### January 17

Emperor of the Month

### January 20

Holiday: MLK Day

### January 23

College & Career Exploration Workshop : RC Scholarship

### January 24

Oscar Night

### January 27-31

Basketball Homecoming Week

### January 29

MED Parent Meeting

## EDUCATION LEVEL & RELATED OCCUPATIONS

### Entry Level Careers (High School Diploma)

- Dispatcher 🏠 \$35,000-\$65,000 ↗ Increasing Demand
- Automotive Painter 🏠 \$40,00-\$70,840 → Stable Demand
- Auto Body Repair 🏠 \$35,000-\$76,220 → Stable Demand
- Train Operator 🏠 \$44,260-\$84,120 → Stable Demand
- Truck Driver 🏠 \$45,710-\$80,730 ↑ High Demand
- Small Engine Mechanic 🏠 \$30,000-\$55,000 → Stable Demand
- Shipping & Receiving Clerk 🏠 \$30,000-\$50,520 → Stable Demand
- Ships Crew 🏠 \$35,000-\$60,000 → Stable Demand

### Technical Level Careers (Certificate and/or Associate Degree)

- Logistics Specialist 🏠 \$45,160-\$122,390 ↑ Increasing Demand
- Drone Pilot 🏠 \$60,000-\$130,000 → Stable Demand
- Transportation Inspector 🏠 \$50,030-\$110,200 ↗ Increasing Demand
- Pilot 🏠 \$80,000-\$200,000 → Stable Demand
- Aircraft Mechanic 🏠 \$50,000-\$98,590 ↗ Increasing Demand
- Marine Technician 🏠 \$40,000-\$100,000 → Stable Demand
- Avionics Technician 🏠 \$50,700-\$100,860 ↗ Increasing Demand
- Race Car Technician 🏠 \$40,000-\$100,000 → Stable Demand

### Professional Level Careers (Bachelor's Degree)

- Helicopter Pilot 🏠 \$50,000-\$180,000 ↗ Increasing Demand
- Transportation Planner 🏠 \$60,000-\$115,000 ↗ Increasing Demand
- Operations Research Analyst 🏠 \$60,000-\$130,000 ↑ High Demand



# TRANSPORTATION



## Career Cluster: Transportation, Distribution & Logistics

Jobs in this cluster focus on moving people and products by road, air, rail and water.

## College & Career Resources

### College Majors:

- Flight Science
- Automotive Technology
- Industrial Maintenance

### College & Universities:

- [Fresno City College](#)
  - [Automotive Technology](#)
  - [Industrial Maintenance](#)
- [College of the Sequoias](#)
  - [Automotive Technology](#)
  - [Industrial Maintenance](#)
- [Reedley College](#)
  - [Flight Science](#)
  - [Automotive Technology](#)
  - [Aviation Maintenance](#)

## TRANSPORTATION

This industry gives hands-on experiences in areas like aviation, service and repair. Careers in this industry include: harbors, ports, warehousing, airplanes, trains, vehicles, and specialty equipment.

At Dinuba High School you can study and take classes in our [Automotive](#) pathway and [Aviation Maintenance/Flight Science](#) pathway.



## ZOOM INTO CAREERS



Why your daughter should learn how to fly an airplane  
A plane you can drive [CLICK HERE](#)



Sign-in to Clever & click on the book to read!



K-2



K-2



K-2



3-6



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The mission of the College & Career Department is to empower all students with educational and work-based experiences to ensure that they are college, career, & life ready.

For more information visit our [website!](#)

