



SECTOR SPOTLIGHT: HEALTH SCIENCE & MEDICAL TECHNOLOGY

APRIL 2026 VOL.5, NO.8

STUDENT QUESTIONS & ANSWERS

Why did you pick this academy?

I chose the Medical Academy because I heard it would give me structure and skills to succeed in any career I pursue. When I first joined during my freshman year, I had no intention of working in the medical field, but I knew the program would still be beneficial.

Favorite thing you have learned in your academy:

My favorite thing I learned in the academy is the wide variety of careers in the medical field. During my freshman year, we explored many unique jobs I had never heard of, which helped me discover what I might be interested in.

Briefly describe your participation in experiences and activities related to your academy.

Since my freshman year, I have volunteered and helped lead blood drives, food drives, elementary expos, and adopted a family. I have also competed in the HOSA State Conference in the Community Awareness event throughout high school and had the opportunity to attend the International Conference in Nashville, where I met people from around the world.

Favorite memory of being part of the academy:

My favorite memory of being part of the Medical Academy is attending the HOSA State Conference each year. Going to Disneyland during my sophomore year and being able to enjoy the rides while also competing and attending workshops with my chapter made it especially memorable.

Advice to students interested in your academy:

My advice to students interested in this academy is to push yourself and stay open-minded. When I first joined, I didn't plan on going into the medical field, but learning about different careers changed my perspective and helped me find my passion.

Do your future goals include what you learned in your academy?

My future goals definitely include what I learned in the academy, as I plan to become a psychiatrist. Taking AP Psychology deepened my understanding of the mind and strengthened my desire to help others with their mental health.

Plans after high school:

After high school, I plan to attend either UCLA or Stanford to study psychobiology or psychology. My goal is to become a psychiatrist and help individuals manage mental health challenges.

How has this academy prepared you for the future?

The Medical Academy has prepared me by helping me develop skills like communication, teamwork, and time management through HOSA and community service. It also exposed me to different medical careers and helped me discover my interest in psychiatry.



KYLIE LOPEZ
Senior

★ PATHWAYS AT A GLANCE

The Health Science and Medical Technology Industry Sector is designed to prepare students for future careers in the healthcare industry. These pathways typically offer a combination of academic coursework and hands-on experiences related to healthcare and medical sciences. Students learn about topics such as anatomy, physiology, medical terminology, and patient care. Additionally, they have opportunities for internships, job shadowing, and certification in areas like CPR and nursing assistant roles.

Dinuba High School offers three pathway options within the Health Science and Patient Care career sector: Medical Enrichment Development (MED) Academy, Certified Nursing Assistant (CNA), and MED Academy with the CNA option. If you are passionate about ensuring people receive the highest quality healthcare, this industry may be the perfect fit for you.

★ PATHWAYS AT DHS

- MED Academy
- Patient Care Pathway (CNA)
- MED Academy w/CNA option



✉ CONTACT US : COLLEGEandcareer@DINUBA.K12.CA.US

HEALTH SCIENCE & MEDICAL TECHNOLOGY



COLLEGE KNOWLEDGE

Opportunities within the health science field range from direct patient care to laboratory work, operating rooms, computer-based roles, and even media-related careers, showing just how many paths students can explore. Many of these careers require education after high school, such as earning a certificate, associate's degree, or bachelor's degree through a college or training program. Preparing for these pathways means building a strong foundation in subjects like chemistry, physics, math, and biology, along with developing important skills like communication, problem-solving, and critical thinking that are essential for success in both college and healthcare careers.

According to recent data from the Workforce Investment Board of Tulare County, many jobs in the Fresno-Tulare-Kings region are in service-related fields, especially healthcare and social services. One of the largest areas is Individual and Family Services, which includes careers like medical assistants, behavioral health workers, and support staff who help care for patients and families. Recent reports show that these healthcare and helping professions continue to grow, creating strong opportunities for students interested in medical careers. Top programs in our area include [Fresno City College](#), [San Joaquin Valley College](#), [California Health Sciences University](#) and [Fresno State](#).

If you are interested in programs outside of the local region, consider looking at these prestigious institutions:

- [Herman Ostrow School of Dentistry of USC](#)
- [UCSF School of Nursing](#)
- [Thomas J. Long School of Pharmacy at UOP](#)
- [Stanford Medicine at Stanford University](#)



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



Herman Ostrow
School of Dentistry
of USC



UCSF
School of Nursing



UNIVERSITY OF THE
PACIFIC



Stanford
MEDICINE



Upcoming

EVENTS

- **April 9**
Cap & Gown Distribution
- **April 10**
-ASB Elections
-Emperor of the Month
- **April 9-12**
Skills USA State Competition
- **April 11**
Prom
- **April 16-18**
Drama Production:
High School Musical
- **April 18**
Dinuba Festival of the Arts
- **April 27**
MED Academy Banquet
- **April 28**
Powder Puff Game
- **April 29**
Skills USA Banquet
- **April 30**
Senior Job Fair

EDUCATION LEVEL & RELATED OCCUPATIONS

Entry Level Careers (High School Diploma)

- Certified Nursing Assistant 🏠 \$34,000-\$60,000 ➡ Increasing Demand
- Medical Assistant 🏠 35,000-\$50,000 ➡ Stable Demand
- Home Health Aide 🏠 \$34,000-\$50,000 ➡ Increasing Demand
- Pharmacy Technician 🏠 \$35,000-\$50,000 ➡ Increasing Demand
- Medical Biller & Coder 🏠 \$37,000-\$55,000 ➡ Stable Demand
- Dental Assistant 🏠 \$45,000-\$55,000 ➡ Increasing Demand
- EMT 🏠 \$45,000-\$55,000 ➡ Increasing Demand
- Phlebotomist 🏠 \$35,000-\$47,000 ➡ Stable Demand
- Medical Secretary 🏠 \$37,000-\$47,000 ➡ Stable Demand



Technical Level Careers (Certificate and/or Associate Degree)

- Respiratory Therapist 🏠 \$65,000-\$85,000 ➡ Increasing Demand
- Licensed Practical Nurse 🏠 \$50,000-\$67,000 ➡ Stable Demand
- Medical Sonographer 🏠 \$70,000-\$90,000 ➡ Increasing Demand
- Physical Therapy Assistant 🏠 \$57,000-\$70,000 ➡ Increasing Demand
- Radiology Technician 🏠 \$60,000-\$80,000 ➡ Stable Demand
- Lab Technician 🏠 \$50,000-\$68,000 ➡ Stable Demand

Professional Level Careers (Bachelor's Degree or higher)

- Registered Nurse 🏠 \$65,000-\$100,000 ➡ Stable Demand
- Medical Sales Rep 🏠 \$63,000-\$105,000 ➡ Stable Demand
- Pharmacist 🏠 \$120,00-\$150,000 ➡ Stable Demand
- General Dentist 🏠 \$150,280-\$200,000 ➡ Increasing Demand
- Physician Assistant 🏠 \$115,000-\$145,000 ➡ Increasing Demand
- Physical Therapist 🏠 \$80,000-\$95,000 ➡ Increasing Demand
- Primary Care Physician 🏠 \$200,000-\$275,000 ➡ Increasing Demand



Tulare | Kings | Fresno Counties Labor Markets

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MED Students in the NEWS



Congratulations to **Leslie Soto Contreras**, who has been selected as a 2026 Valley ROP Student Ambassador. Leslie was chosen as one of just 21 students from 58 nominees representing 12 high schools across the region. This recognition honors students who demonstrate excellence in leadership, technical skills, and commitment to their career pathway.

Valley VROP



Brianna



Alyssa

Through a partnership with Valley ROP and Fresno City College, select students are offered reserved spots in the Registered Nursing program. This year, **Brianna Ramirez Diaz** and **Alyssa Vasquez** accepted this opportunity and will begin their nursing journey this fall. (**Bryan Benavides** was also offered a spot but chose to pursue a different path.)

Being offered a reserved position is a significant achievement and reflects their dedication to the healthcare pathway.



Marissa & Juan w/ Mr. Celaya & Mrs. Pennebaker

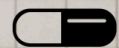
Marissa Rodriguez and **Juan Montelongo** have been named California HOSA State Officers for 2026-2027. After an intense selection process that included rigorous testing, interviews, and demonstrations of leadership, they rose to the top and earned this outstanding honor. We are incredibly proud of their achievement and excited to see the impact they will make in their new roles at the state level!

Sanjog Pannu was named the 2026 Teenage Citizen of the Year by the Dinuba Woman's Club. Sanjog was recognized for her outstanding leadership, academic excellence, and dedication to making a positive impact in her community. A first-generation student, she is passionate about advocating for justice and helping others.



Sanjog & Kylie

Sanjog Pannu and **Kylie Lopez** shared their experiences at the Educating for Careers Conference in Sacramento last month, where they discussed their project that has grown into a nonprofit, One Pill Will Kill. Representing Dinuba and the MED Academy, they highlighted how career technical education can empower students to create meaningful change in their communities.



OnePillWillKill

HEALTH SCIENCE & MEDICAL TECHNOLOGY

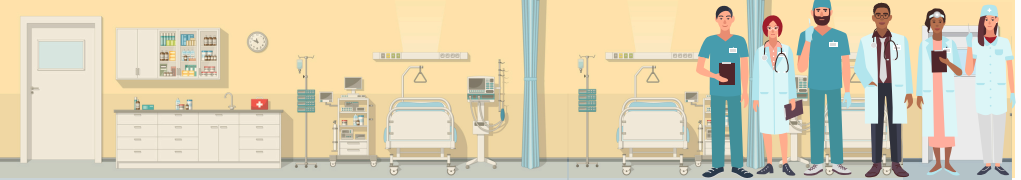
COLLEGE & CAREER Dinuba Unified School District

Career Cluster:
Health Science & Medical Technology
 Jobs in this cluster focus on keep us healthy using special tools and machines. They use science and technology to make sure we feel our best when we're sick or hurt.

- College & Career Resources**
- Majors:**
- o Biology
 - o Chemistry
 - o Pharmacology
 - o Anatomy
- College & Universities:**
- o [UC San Francisco](#)
 - [School of Medicine](#)
 - o [Fresno State](#) **CLICK HERE**
 - [Biology](#)
 - [Chemistry](#)
 - o [College of the Sequoias](#)
 - [Nursing](#)
 - o [Fresno City College](#)
 - [Nursing](#)
 - [Radiologic Technology](#)

Health Science & Medical Technology

This industry prepares students for careers in the healthcare field. There are many career options available. You can work directly with patients, in a laboratory, operating room, on computers, and even on television! The opportunities are endless in the medical field. If you are interested in helping people to become healthy, this industry may hold a great career for you! At Dinuba High School you can study and take classes in the MED Academy and Certified Nursing Assistant Program.



TED TALKS **CLICK HERE**
 Kids Can Solve Big Problems-Michael Platt

epic! SCHOOL Books to READ! Sign-in to Clever & click on the book to read!

I WANT TO BE A DOCTOR (K-2)

Nurses (K-2)

Clive is a Nurse (K-2)

DOCTORS IN RESCUE (3-6)

DOCTOR MOUSE (3-6)

SPORTS MEDICINE DOCTOR (3-6)

ZOOM INTO CAREERS

K-2 I want to be a Nurse!

3-6 Meet a Registered Nurse

3-6 Meet a Dental Assistant

K-6 Meet an Orthopedic Surgeon

3-6 DAY IN THE LIFE OF A HEART SURGEON

K-6 DAY IN THE LIFE OF A SONOGRAPHER

K-6 MEET A FOOD SCIENTIST