



SECTOR SPOTLIGHT: HEALTH SCIENCE & MEDICAL TECHNOLOGY

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STUDENT QUESTIONS & ANSWERS

Why did you pick this pathway?

I picked this pathway because I was always interested in the medical field and felt that this program would help me learn what I needed to know in order to achieve my dream of being a doctor.

Favorite thing you learned in your pathway?

My favorite thing that I have learned in this pathway is Emergency Medical Responder skills. I am EMR and CPR certified and I am glad that I was able to learn those skills.

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

Through this pathway, I have been an officer for the past three years and am currently the President. I have also done many community service hours at blood drives, food giveaways, etc. I have done two internships, one with Sports Medicine with the Athletic trainer and an EMR internship at the Fire Department. These activities have been very rewarding and I was only able to do it because of the Med Academy.

Favorite memory of being a part of the pathway.

My favorite memory is participating in the HOSA State Conference. My first time was in my sophomore year and I loved competing with my team and going to different workshops. It was a great opportunity to network and make wonderful memories with my friends.

Advice to students interested in your pathway.

The Med Academy is rigorous but has many benefits. My advice would be to continue to work hard in the classes and to ask for help if needed. Also make sure to be involved with the things that are done outside of the classes because that will give you an opportunity to meet new people and have new experiences.

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

My future goals do include what I learned in this pathway. I have always wanted to be a doctor and learning about medical terminology, ethics, psychology, etc. has helped with that and has continued my love for the medical field.

Plans after high school:

I am planning to attend UCLA, majoring in neuroscience. Then after passing the MCAT, I plan to go to medical school at Stanford. Finally, I will complete my residency in order to become a neurologist.



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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





COLLEGE KNOWLEDGE

Opportunities within the health science field span from direct patient care to laboratory work, operating rooms, computer-based tasks, and even television roles, showcasing the wide array of options available. Roughly half of the jobs in this field require specialized training, such as obtaining a certificate or degree. Healthcare professions typically demand knowledge in chemistry, physics, math, and biology, alongside strong communication, problem-solving, and critical thinking abilities.

According to the Workplace Investment Board of Tulare County, in 2023, there were a total of 102,543 jobs in the Fresno, Tulare, and Kings County region, and nearly 30 percent of those jobs were in the Individual and Family Services industry. 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:

- [USC Keck School of Medicine](#)
- [UCSF School of Dentistry](#)
- [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.



Fresno City College



A PRIVATE CAREER COLLEGE



CALIFORNIA HEALTH SCIENCES UNIVERSITY



Discovery. Diversity. Distinction.



UPCOMING events



- **April 17-18**
State Testing - Math
- **April 20**
Prom
- **April 24-25**
State Testing - ELA
- **April 26**
Springfest
- **April 27**
Cinco de Mayo Pagaent
- **April 29**
MED Academy Banquet

EDUCATION LEVEL & RELATED OCCUPATIONS

Entry Level Careers (High School Diploma)

- Certified Nursing Assistant 🏠 \$20,000-\$35,000 ⬆️ High Demand
- Medical Assistant 🏠 25,000-\$40,000 ➡️ Increasing Demand
- Home Health Aide 🏠 \$20,000-\$30,000 ⬆️ High Demand
- Pharmacy Technician 🏠 \$25,000-\$35,000 ➡️ Stable Demand
- Medical Biller & Coder 🏠 \$30,000-\$45,000 ➡️ Increasing Demand
- Dental Assistant 🏠 \$30,000-\$45,000 ➡️ Increasing Demand
- EMT 🏠 \$25,000-\$40,000 ⬆️ High Demand
- Phlebotomist 🏠 \$25,000-\$35,000 ➡️ Increasing Demand
- Medical Secretary 🏠 \$25,000-\$35,000 ➡️ Stable Demand

Technical Level Careers (Certificate and/or Associate Degree)

- Respiratory Therapist 🏠 \$50,000-\$70,000 ⬆️ High Demand
- Licensed Practical Nurse 🏠 \$40,000-\$55,000 ➡️ Stable Demand
- Medical Sonographer 🏠 \$60,000-\$80,000 ➡️ Increasing Demand
- Physical Therapy Assistant 🏠 \$45,000-\$60,000 ➡️ Increasing Demand
- Radiology Technician 🏠 \$50,000-\$70,000 ➡️ Increasing Demand
- Lab Technician 🏠 \$45,000-\$60,000 ➡️ Stable Demand

Professional Level Careers (Bachelor's Degree or higher)

- Registered Nurse 🏠 \$60,000-\$90,000 ⬆️ High Demand
- Medical Sales Rep 🏠 \$60,000-\$90,000 ➡️ Increasing Demand
- Pharmacist 🏠 \$100,00-\$130,000 ➡️ Stable Demand
- General Dentist 🏠 \$150,280-\$200,000 ➡️ Stable Demand
- Physician Assistant 🏠 \$90,000-\$120,000 ➡️ Increasing Demand
- Physical Therapist 🏠 \$70,000-\$90,000 ➡️ Increasing Demand
- Primary Care Physician 🏠 \$200,000-\$250,000 ➡️ Increasing Demand



[Tulare](#) | [Kings](#) | [Fresno Counties Labor Markets](#)

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:

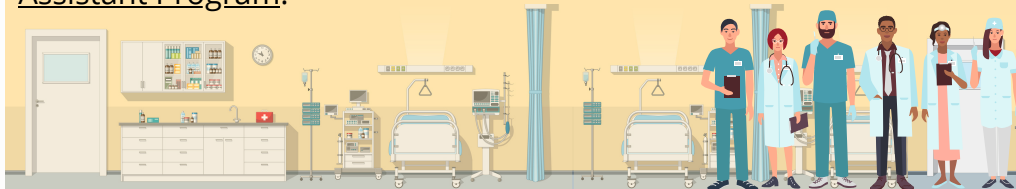
- Biology
- Chemistry
- Pharmacology
- Anatomy

College & Universities:

- [UC San Francisco](#)
 - [School of Medicine](#) ▶
- [Fresno State](#) [CLICK HERE](#)
 - [Biology](#) ▶
 - [Chemistry](#) ▶
- [College of the Sequoias](#)
 - [Nursing](#) ▶
- [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](#).



ZOOM INTO CAREERS

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)

K-2 I want to be a Nurse!

3-6 Meet a Registered Nurse

3-6 A career in medical billing

K-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 DAY IN THE LIFE OF A RADIOLOGY TECHNOLOGIST

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!](#)