



DEER VALLEY
Unified School District

Bioscience

www.dvUSD.org/cte

Sequence of Courses:



Principles of Biomedical Sciences H (9-12)

MRHS

- Investigate human body systems and various health conditions
- Learn about human physiology, medicine, and research processes



Human Body Systems H (10-12)

MRHS

Prerequisite: Principles of Biomedical Sciences H

- Examine the interactions of human body systems
- Explore identity, power, movement, protection, and homeostasis
- Design experiments
- Investigate the structures and functions of the human body



Medical Interventions H (11-12)

MRHS

Prerequisite: Human Body Systems H

- Investigate a variety of interventions involved in the prevention, diagnosis, and treatment of disease
- Apply learned techniques through the life of a fictitious family
- Learn about maintaining overall health and homeostasis in the body



Biomedical Innovation H (12)

MRHS

Prerequisite: Medical Interventions H

- Create independent projects and Capstone Presentation
- Build on knowledge and skills gained from previous courses
- Design innovative solutions for the most pressing health challenges of the 21st century



CTE Internship (12)

MRHS

*Prerequisite: Human Body Systems H
(concurrent or previously completed)*

- On-the-job experience
- 5 hours per week
- Mentorship

Career Opportunities:

Biomedical Scientist

Health Care Providers

- Physician
- Nurse
- Physician Assistant

Microbiologist

Toxicologist



**Career & Technical
Education**

Empowering Success

Certifications: Students have the opportunity to earn industry credentials through CTE programs.

- OSHA 10 Healthcare

Career and Technical Student Organization: HOSA is a national student organization recognized by the U.S. Department of Education and the Health Science Education (HSE) Division of ACTE. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people.

For more information, visit www.hosa.org and www.azhosa.org.



**Career & Technical
Education**

Project Lead the Way: Project Lead The Way is a United States non-profit organization that develops hands-on, project-based science, technology, engineering and math curricula for use by elementary, middle, and high schools.

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