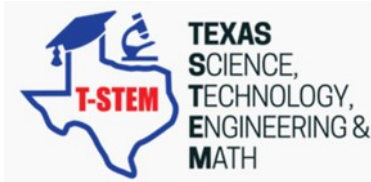


CHS T-STEM Academy: Biomedical Science Pathway

Application Process

Are you ready to accept the challenge? Pick up an application or print one out at www.clintweb.net/Page/5078. Applications are reviewed by a committee and acceptance letters are sent out to students.



T-STEM Academies

Falling under the Texas Education Agencies umbrella for College, Career, and Military Readiness (CCMR), T-STEM Academies Texas Science, Technology, Engineering and Mathematics (T-STEM) Academies are rigorous secondary schools focusing on improving instruction and academic performance in science and mathematics-related subjects and increasing the number of students who study and enter STEM careers. T-STEM Academies are demonstration schools and learning labs that develop innovative methods to improve science and mathematics instructions. Clint High School has been a designated T-STEM Academy since 2014.



Clint High School
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Clint, TX 79836

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Biomedical Science Pathway



BE A PART OF EXCELLENCE!

Contact Information:

Armando Rueda
Stem Coordinator/Biomedical
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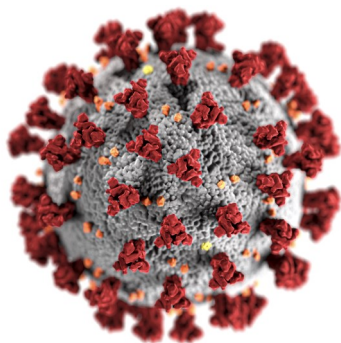
915-926-8300

Armando.rueda@clint.net

Biomedical Science



The Biomedical Science program of study focuses on the study of biology and medicine in order to introduce students to the knowledge and skills necessary to be successful in the healthcare field, such as researching and diagnosing diseases, pre-existing conditions, or other determinants of health. Students may also practice patient care and communication. Students who enroll in the CHS Biomedical Science Pathway will be well prepared to continue their study of Biomedical Science



The Biomedical Science program at Clint High School will lead to many opportunities in various occupations. The job growth in occupations attributed to experience in biomedical science course work is tremendous. In addition, salaries in these career fields are highly competitive, and there are many opportunities to increase the education in these fields to achieve more advanced degrees.. The chart below indicates various degrees, occupations, wages, and job growth.

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE	OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Medical Laboratory Assistant	Medical and Clinical Laboratory Technologists	Histologic Technician	Molecular Biology	Genetic Counseling	Medical and Laboratory Technicians	\$37,981	1,159	28%
Medical Laboratory Technician			Biomedical Engineers	Medical Scientist	Biological Technicians	\$42,931	452	17%
		Clinical Laboratory Science/ Medical Technology/ Technologist	Clinical Laboratory Science/ Medical Technology/ Technologist	Epidemiology	Forensic Science Technicians	\$48,152	171	35%
					Chemical Technicians	\$49,733	672	10%
					Medical and Clinical Laboratory Technologists	\$58,760	1,166	25%
WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES								
					Exploration Activities:	Work Based Learning Activities:		
					Health Occupations Students of America (HOSA)	Lab internship or shadow a healthcare or medical professional		
Additional industry based certification information is available from the TEA CTE website.								
For more information on postsecondary options for this program of study, visit TXCTE.org.								



Integrative Cancer Biology and Research

Students are still able to take Dual Credit, Dual Enrollment or AP Classes concurrently while in the Biomedical Science Pathway.

Recommended Pathway for Student in Biomedical Science

- 9th grade: Principles of Bioscience
- 10th grade: Biotechnology I
- 11th grade: Medical Microbiology
- 12th grade: Pathophysiology



Whether discovering new cancer treatments or teaching healthy lifestyle choices to their communities, today's biomedical science professionals are tackling big challenges to make the world a better place. Biomedical Science students are taking on these same real-world challenges – and they're doing it before they even graduate from high school! Working with the same tools used by professionals in hospitals and labs, students engage in compelling, hands-on activities and work together to find solutions to problems. Students take from the courses in-demand knowledge and skills they will use in high school and the rest of their lives, on any career path they take.