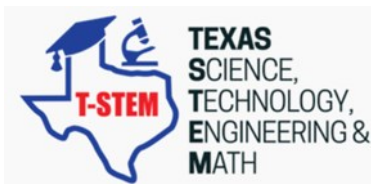


CHS T-STEM Academy: Biomedical Science Pathway

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
13890 Alameda
Clint, TX 79836

Phone: 915-926-8300
Fax: 915-851-5375
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CHS T-STEM Academy:
Biomedical Science Pathway



BE A PART OF EXCELLENCE!

Contact Information:

Armando Rueda

**Stem Coordinator/Biomedical
Science Coordinator**

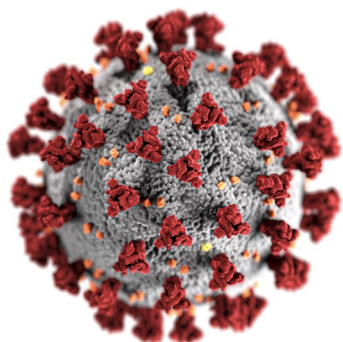
915-926-8300

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%
					Forensic Science Technicians	\$48,152	171	35%
					Chemical Technicians	\$49,733	672	10%
		Clinical Laboratory Science/ Medical Technology/ Technologist	Clinical Laboratory Science/ Medical Technology/ Technologist	Epidemiology	Medical and Clinical Laboratory Technologists	\$58,760	1,166	25%
Additional industry based certification information is available from the TEA CTE website.					WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES			
For more information on postsecondary options for this program of study, visit TXCTE.org.					Exploration Activities:	Work Based Learning Activities:		
					Health Occupations Students of America (HOSA)	Lab internship or shadow a healthcare or medical professional		



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



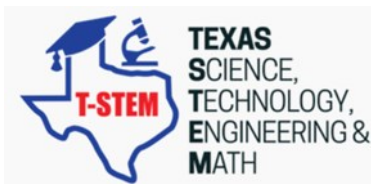
Whether discovering new cancer treatments or teaching healthy lifestyle choices to their communities, today's biomedical science professionals are tackling big challenges to make the world a better place. Biomedical Science students are taking on these same real-world challenges – and they're doing it 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.

Academia CHS T-STEM:

Ruta de las ciencias biomédicas

Proceso De Solicitud

¿Estás preparado para aceptar el desafío? Recoja una solicitud o imprima una en www.clintweb.net/Page/5078. Las solicitudes son revisadas por un comité y las cartas de aceptación se envían a los estudiantes.



Academias T-STEM

Caen bajo el paraguas de las agencias de educación de Texas para la preparación universitaria, profesional y militar (CCMR), academias T-STEM Las academias de ciencia, tecnología, ingeniería y matemáticas de Texas (T-STEM) son escuelas secundarias rigurosas que se centran en mejorar la instrucción y el rendimiento académico en ciencias. y materias relacionadas con las matemáticas y aumentando el número de estudiantes que estudian e ingresan a carreras STEM. Las academias T-STEM son escuelas de demostración y laboratorios de aprendizaje que desarrollan métodos innovadores para mejorar las instrucciones de ciencias y matemáticas. Clint High School ha sido designada como Academia T-STEM desde 2014.



CLINT HIGH SCHOOL
Win the Day

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Academia CHS T-STEM:
Ruta de las Ciencias Biomédicas



SEA PARTE DE LA EXCELENCIA

Información del contacto:

Armando Rueda

Stem Coordinador/Biomedical

Science Coordinador

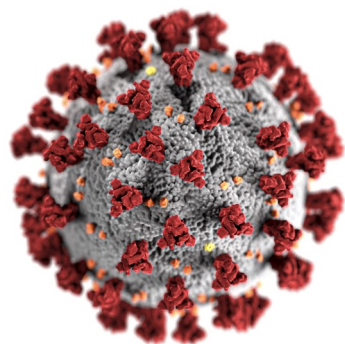
915-926-8300

armando.rueda@clint.net

Ciencia Biomedica



El programa de estudio de Ciencias Biomédicas se centra en el estudio de la biología y la medicina con el fin de presentar a los estudiantes el conocimiento y las habilidades necesarias para tener éxito en el campo de la salud, como la investigación y el diagnóstico de enfermedades, afecciones preexistentes u otros determinantes de la salud. Los estudiantes también pueden practicar el cuidado y la comunicación del paciente. Los estudiantes que se inscriban en el Camino de Ciencias Biomédicas de CHS estarán bien preparados para continuar su estudio de Ciencias Biomédicas.



El programa de Ciencias Biomédicas en Clint High School dará lugar a muchas oportunidades en diversas ocupaciones. El crecimiento del empleo en ocupaciones atribuido a la experiencia en cursos de ciencias biomédicas es tremendo. Además, los salarios en estos campos profesionales son altamente competitivos y hay muchas oportunidades para aumentar la educación en estos campos para lograr títulos más avanzados. El cuadro a continuación indica varios grados, ocupaciones, salarios y crecimiento laboral.

HIGH SCHOOL/INDUSTRY CERTIFICATION	CERTIFICATE/LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/DOCTORAL PROFESSIONAL DEGREE	OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
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Los estudiantes aún pueden tomar clases de crédito dual, inscripción dual o AP al mismo tiempo mientras se encuentran en el programa de ciencias biomédicas.

Ruta recomendada para estudiantes en ciencias biomédicas

9 ° grado: Principios de biociencia

10mo grado: Biotecnología I

11 ° grado: Microbiología médica

12 ° grado: Fisiopatología



Ya sea descubriendo nuevos tratamientos contra el cáncer o Al enseñar opciones de estilo de vida saludables a sus comunidades, los profesionales de las ciencias biomédicas de hoy se enfrentan a grandes desafíos para hacer del mundo un lugar mejor. Los estudiantes de Ciencias Biomédicas están asumiendo estos mismos desafíos del mundo real, y son haciéndolo incluso antes de graduarse de la escuela secundaria! Al trabajar con las mismas herramientas que utilizan los profesionales en hospitales y laboratorios, los estudiantes participan en actividades prácticas y atractivas y trabajan juntos para encontrar soluciones a los problemas. Los estudiantes toman de los cursos el conocimiento y las habilidades en demanda que usarán en la escuela secundaria y el resto de sus vidas, en cualquier carrera que tomen.