

South Texas ISD Medical Professions



Our mission is to educate future medical professionals in the health sciences through the integration of rigorous academic, medical and technological education.

ADMINISTRATION

Mr. Harry Goette Principal



Mr. Jose Lucio
Assistant Principal



Mr. William McKinney
Assistant Principal



COURSE SEQUENCE

**SOUTH TEXAS ISD MEDICAL PROFESSIONS
COURSE SEQUENCE 2021-2022**

English I Honors	English II Honors	English III AP English III Dual	English IV AP
Algebra I Honors or Geometry Honors	Geometry Honors or Algebra II Honors	Algebra II Honors or Pre-Calculus Honors or Pre-Calculus Dual or Calculus AB or Statistics AP	Pre-Calculus Honors or Pre-Calculus Dual or Statistics AP or Calculus AB or Calculus BC
Biology Honors	Chemistry Honors	Physics Honors	Biology AP Chemistry AP or Environmental Science AP or Physics AP
		Biology AP or Chemistry AP or Environmental Science AP	
Human Geography AP	World History AP	U.S. History AP U.S. History Dual	U.S. Government AP (semester course) Economics AP (semester course)
Spanish I Honors or Spanish II Honors	Spanish II Honors or Spanish III Honors or Spanish Lang. AP	*Psychology AP (semester course) Research/ Technical Writing (semester course)	Spanish Lang. AP or Spanish Lit. AP
Speech (semester course) Foundations of Personal Fitness (semester course)	Art I Honors or Theater Arts	Individual Sports (semester course) SAT/ACT Prep (semester course)	Elective Additional Math AP Additional Science AP Additional Spanish AP Computer Science AP Additional Art AP Aerobic Activities PE Mentoring World Health Research (1 credit course) or An approved Independent Study Course or Personal Finance (semester course)
Artificial Intelligence Applications			
Health Professional Skills or Human Growth & Development (with HPS credit)	Pathophysiology Anatomy & Physiology	Health Science Theory/Health Science Clinical Clinical Laboratory Dental Science Ophthalmology Patient Care Pharmacy Trauma Management (2 credit course)	Practicum in Health Science Emergency Medical Science Dental Assisting Medical Assisting Ophthalmology Phlebotomy Pharmacy Technician (2 credit course)

Students must take core classes each year in English, Math, Science, and Social Studies. Advanced Placement classes are available in Art, Calculus, Statistics, Biology, Computer Science, Chemistry, Environmental Science, Physics, English Language, English Literature, Spanish Language, Spanish Literature, Economics, U. S. Government, U.S. History, World History and Psychology. Must be TSI met for Dual Enrollment courses. *Psychology AP may be taken for advanced scheduling.

Medical Professions offers the Foundation Diploma with endorsements in: STEMS (science, technology, engineering and math); Public Service; Arts and Humanities and Multidisciplinary Studies.

GRADUATION REQUIREMENTS

Distinguished Level of Achievement and at least one endorsement
28 credits

English Language Arts - Four Credits (4)

- English I
- English II
- English III
- English IV

Mathematics - Four Credits (4)

- Algebra I
- Geometry
- Algebra II
- Pre-Calculus

Science - Four Credits (4)

- Biology
- Chemistry
- Physics
- Advanced Science

Social Studies - Four Credits (4)

- World Geography
- World History
- U.S. History
- U.S. Government/Economics

LOTE - Three credits (3) in the same language (Spanish) or Computer Programming

Fine Arts - One credit (1) Art I or Theatre Arts

Physical Education - One credit (1)

Electives - Remaining credits with curriculum requirements for at least one endorsement

PERFORMANCE ACKNOWLEDGEMENTS

A performance acknowledgement is a distinction included in your high school transcript for outstanding performance in specific areas. At Medical Professions, students may receive a performance acknowledgement in the following areas: Dual Credit, Bilingualism and Biliteracy, PSAT, SAT or ACT and College Advanced Placement.

PERFORMANCE ACKNOWLEDGEMENTS

Dual Credit Course

- 12 hours of college academic courses with a grade equivalent to 3.0 or higher on a scale of 4.0.

College Advanced Placement

- A score of 3 or above on an AP examination

PSAT, SAT, or ACT

- PSAT score that qualifies a student as commended scholar or higher.
- Earning scores of at least 410 on the reading section and 520 on the mathematics section of the SAT
- A composite score on the ACT exam (without writing) of 28

Bilingualism and Biliteracy

- Complete ELA requirement and maintain a grade of 80 or higher
- And
- Complete 3 LOTE credits in the same language with a grade of 80 on a scale of 100; or
- Complete 3 credits in Foundation Subject in LOTE with min GPA of 80 on a scale of 100 or;
- Demonstrate proficiency in AP LOTE score = 3 or higher

ENDORSEMENTS

An endorsement consists of a sequence of courses grouped together by interest or occupational skill. They provide students with in-depth knowledge of a subject area or a high-wage, high-skill, and in-demand occupation. Students at Medical Professions may earn up to four endorsements.

ENDORSEMENTS

Science, Technology, Engineering and Mathematics (STEM)

This endorsement can be earned by taking sequences of courses in these areas:

STEM including Engineering

Computer Science

High Level Core Areas of:
Mathematics
Science

Public Services

This endorsement can be earned by taking a sequence of courses in these areas:

Health Science

Education and Training

Government & Public Administration

Human Services

Law, Public Safety & Security

JROTC (Junior Reserve Officers Training Corps)

Multidisciplinary Studies

This endorsement can be earned by taking non-sequential advanced courses in one or more endorsement areas including:

Four credits in each of the foundation core areas

Four Advanced Placement (AP) courses, International Baccalaureate (IB) courses, or Dual Credit Courses

Arts & Humanities

This endorsement can be earned by taking a sequence of courses in these areas:

Social Studies

LOTE (Language Other Than English)

English

American Sign Language

Fine Arts including:

Art

Dance

Music

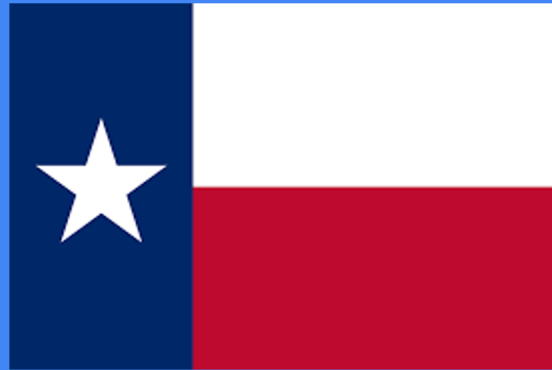
Theater

Technical Theater

END OF COURSE EXAM EOC

In order to graduate from a Texas public high school, student must pass five end-of-course exams:

- Algebra I
- Biology
- English I
- English II
- U.S. History



If a student is enrolled in grade 8 or below and takes a course for which there is an end-of-course assessment, the student is required to take the applicable end-of-course assessment. Though taken in middle school, the tests will count toward the state's high school graduation requirement.

STUDENT LIFE

ENGAGING STUDENTS THROUGH RIGOROUS AND RELEVANT INSTRUCTION

Student Resources

- A Day/ B Day Schedule
- Infinite Campus/ItsLearning
- Student Supports periods (AM/PM)
- Library Databases
- Teachers & Counselors
- Summer camps for incoming freshmen.

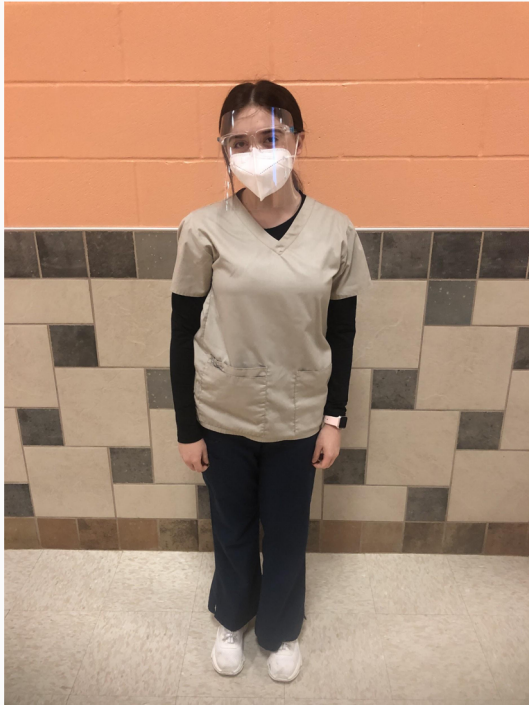


Transportation

- Transportation is available for students in the Cameron, Hidalgo, and Willacy counties
- WiFi available on all buses
- Bus routes found on our website



DRESS CODE



Scrubs

- Scrubs are uniforms used by all grade levels for specific lab days. On non-lab days, students must adhere to our campus dress code policy.
- Freshmen and Sophomores: khaki top and navy blue bottom
- Juniors: Navy blue scrubs
- Seniors: Certification Program scrubs



EXTRACURRICULAR ACTIVITIES

National Spanish Honor Society

P.A.S.F

Student Council

Kickoff Mentor

UIL

Debate

Robotics

H.O.S.A.

National Art Honor Society

National Technical Honor Society

YEARBOOK

Science Club

Library Club

National Honor Society

P.E. Club

Chess Club

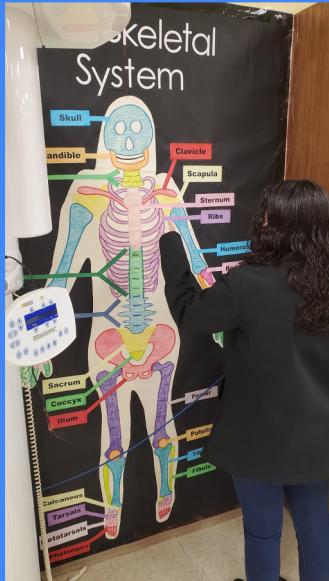
Spirit Club

Music Club

HEALTH SCIENCE COURSES

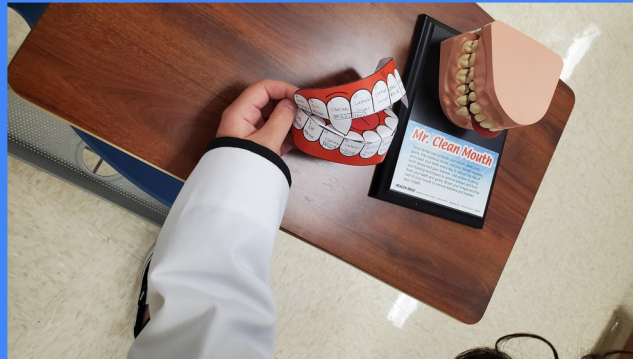
Health Professional Skills (HPS)

- Historical aspects of health care
- Organization of the hospital
- Safety protocols in the workplace
- Investigate healthcare careers
- Gain understanding of the basic anatomy
- Hands-on activities



Human Growth and Development

- For students who have already taken HPS in middle school
- Examination of the human development across the lifespan
- Physical, cognitive, emotional, and social developmental milestones
- Life-changing health conditions
- Apply knowledge in a healthcare setting
- Work to prevent chronic disease
- Health screenings
- Community and educational presentations
- Clinical Rotations

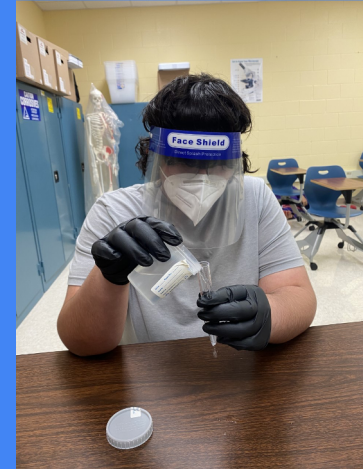


Anatomy & Physiology

- Understand the shape and structure of the human body
- Understand the relationship of one body part to another
- Understand the function of each body part
- Real world applications of anatomy and physiology

Pathophysiology

- In-depth study of the disease processes of the body systems
- Describe the etiology, signs and symptoms, prognosis, and complications of commonly occurring diseases
- Study medical terminology
- Specimen dissection
- Clinical labs



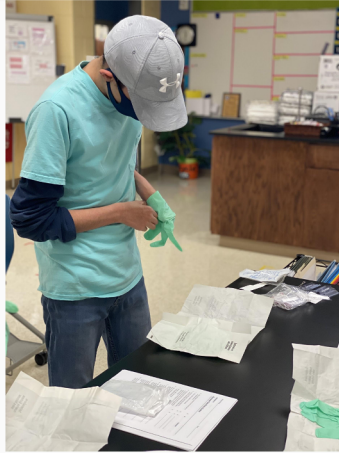
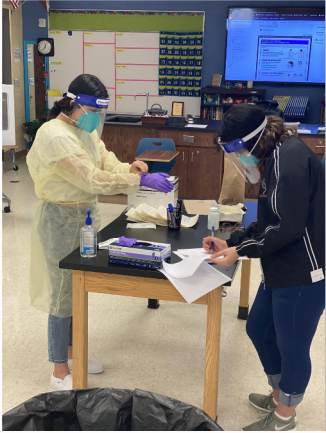
Health Science Theory/Health Science Clinical



- CPR certified through the American Heart Association
- Gain understanding and professionalism
- Hands-on experiences at clinical sites throughout the community
- Realize your potential as a contributing member of the healthcare team

HEALTH SCIENCE CERTIFICATIONS

Certified Clinical Medical Assistant



Medical Assistants fulfill both clinical and administrative tasks at hospitals, physicians' offices, and other medical settings. Under the doctor's supervision, skills performed may include measuring patient's vital signs, recording their medical history, preparing examination rooms, disinfecting medical instruments, drawing blood, giving injections, and administration of medications.

Examples of labs

- Collection of urine & stool specimen
- Spirometry/pulmonary function testing
- Vision & hearing testing
- Patient hygiene
- Perform venipuncture
- Performing EKG
- Health coaching
- Perform anthropometric measurements
- Administration of medications

Certified Ophthalmic Assistant

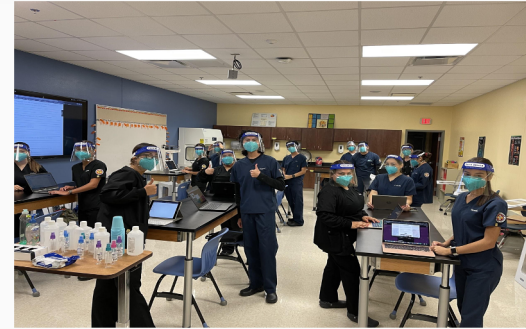


Certified Ophthalmic Assistants work closely with ophthalmologists, or eye doctors, and prepare patients for their eye exam. In many instances the COA will perform all preliminary testing and measurement for the doctor which will aid in patient diagnosis.

Duties

- Gather medical records and patient information
- Take ocular measurements
- Administer or prepare medication
- Provide eye care and contact lens information to patient
- Maintain and clean ophthalmic equipment
- Assist the ophthalmologist in basic procedures

Certified Pharmacy Technician



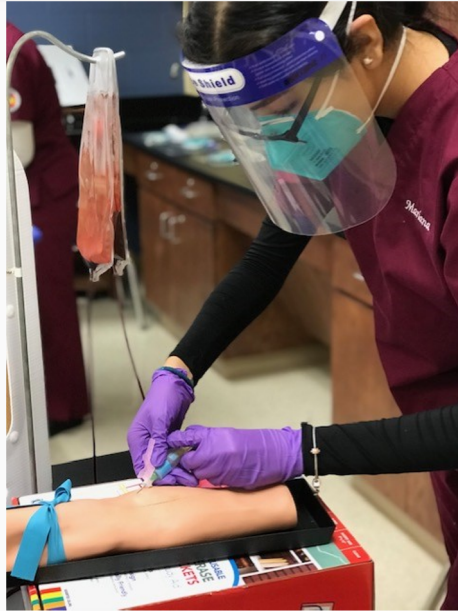
Community Setting

- Initiate and receive refill authorization requests.
- Enter prescription data into a data processing system.
- Prepare and package drug orders (e.g. count tablets/capsules, measure liquids, or place them in a container).

Hospital Setting

- Fill medication carts.
- Pre-package and label unit and multiple dose packages.
- Compound batch preparations.
- Distribute routine orders for stock supplies to patient care areas.
- Access and restock automated medication supply systems.

Certified Phlebotomy Technician



Phlebotomists work in a variety of clinical settings to collect blood and other samples from patients. The job of a phlebotomist is one of the first steps in diagnosing a patient.

Phlebotomist Duties

- Correctly identify the patient
- Perform venipuncture
- Follow safety protocols
- Communicate effectively
- Perform basic lab testing

Emergency Medical Technician Certification



The EMT Program prepares students to become healthcare leaders, who act for the benefit of others with a high degree of independence and decision-making skills with or without the benefit of the traditional facility. The EMS Program prepares you for the real, exciting, and sometimes dangerous situations in the healthcare field. You gain incredible knowledge and experience and are given the opportunity to strengthen your critical thinking skills.



Examples of Jobs

- Firefighter/EMT
- Transition to Paramedic
- Emergency Department Technician
- Minor Emergency Technician
- Military advantage/Combat
- MedicLaw Enforcement/ S.W.A.T.
- High Angle and Swift Water Rescue

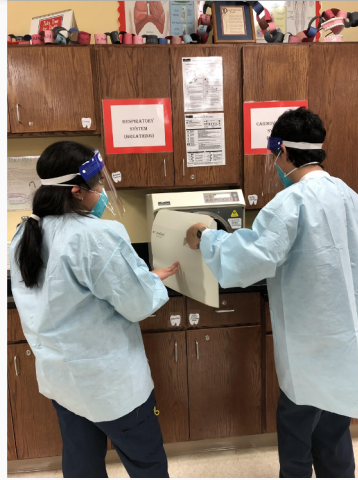
**SOUTH TEXAS ISD MEDICAL PROFESSIONS EMERGENCY MEDICAL SCIENCE PROGRAM
EMT CADETS**



PREPARING FOR THE FRONTLINE



Registered Dental Assistant



Dental Assistants become the dentist's "extra hands" by preparing the patient for treatment, sterilizing instruments, passing instruments during procedure, holding suction devices, exposing dental radiographs, taking dental impressions, and fabricating temporary crowns. In Texas, dental assistants must be licensed through the state or certified nationally.

Examples of labs

- Oral landmark identification
- Instrument processing
- Dental imaging (X-rays)
- Alginate impressions & study models
- Instrument, handpiece & bur identification
- Setting up aspirating syringe
- Mixing dental cements, bases & liners
- Provisional crown fabrication
- Dental sealants & restorations

WHAT'S NEXT

- Choose STISD Medical Professions
- <https://www.stisd.net/>
- Contact counselors for further questions

Counselors

Last name....A-GAR cinthia.alvarado@stisd.net

Last name....GAS-OL mayela.solana@stisd.net

Last name...OL-Z luz.zamora@stisd.net

Counseling Department Secretary

dina.romo@stisd.net

Additional Information

<https://medicalprofessions.stisd.net/admissions/enrollment-process>



South Texas ISD

**Medical
Professions**

GRADES 9-12 | OLMITO