



# KELLER ISD HEALTH SCIENCE PROGRAMS 2026-2027



For more information about CTE programs of study please visit with your counselor, contact the CTE department, or visit the resources below:



Learn more about CTE in KISD  
[Kellerisd.net/CTE](http://Kellerisd.net/CTE)



Visit the full KISD Course Guide  
[Kellerisd.net](http://Kellerisd.net)

# PROGRAM OPTIONS AND OVERVIEW

<b><u>For Juniors and/or Seniors</u></b>	<b><u>For Seniors Only</u></b>
<b>Certified Nursing Assistant Practicum</b> *CNA Practicum and A&P	<b>Medical Assistant Practicum</b> *Must have completed at least one of the following courses: Clinical Rotations, Certified Nursing Assistant, Pharmacology, Pathophysiology, Medical Microbiology, Kinesiology II
<b>Clinical Rotations Practicum</b> *Clinical Rotations Practicum and A&P	<b>Patient Care Technician Practicum</b> *Must have completed at least one of the following courses: Clinical Rotations, Certified Nursing Assistant, Pharmacology, Pathophysiology, Medical Microbiology, Kinesiology II
<b>PRE - Pharmacy Technician</b> *Pharmacology and A&P	<b>Pharmacy Technician Practicum</b> *Pharmacology must be taken as a pre-req or a co-req
<b>PRE - Emergency Medical Technician</b> *Pathophysiology and A&P	<b>Emergency Medical Technician Practicum</b> *Pathophysiology must be taken as a pre-req or a co-req
<b>PRE - Medical Lab Assistant</b> *Medical Microbiology and A&P	<b>Exercise Science &amp; Sports Medicine Practicum</b> *Must have completed Kinesiology II in 11th grade
<b>Exercise Science and Sports Medicine</b> *Kinesiology II and A&P	<b>Medical Lab Assistant Practicum</b> *Must have completed Medical Microbiology

## Pathway Electives

Anatomy and Physiology

Pathophysiology

Pharmacology

Medical Microbiology

Kinesiology I

Kinesiology II

\*Must have completed Kinesiology I

# CERTIFIED NURSING ASSISTANT (CNA)

A Certified Nursing Assistant (CNA) supports nursing staff in healthcare settings by providing essential patient care. This fundamental role is critical in hospitals, long-term care facilities, and home health environments. Responsibilities typically include assisting patients with feeding and bathing, monitoring vital signs, and supporting basic healthcare needs. Additionally, CNAs are instrumental in offering emotional support and encouragement to their patients. Known also as Nursing Assistants, they significantly influence the patient experience by fostering a sense of comfort and well-being during medical treatment. Over time, the profession has gained increasing recognition for its vital contributions to patient care. We highly recommend this course for students interested in pursuing nursing or related healthcare careers beyond high school.

Item	Cost	FAQ for this course	Answer
CNA Exam	\$125	Am I required to have reliable transportation?	Yes, by November 1, 2025
Cord/Pin	\$20	Is there a certification for this class?	Yes, Certified Nursing Assistant
Scrubs (2 pair)	\$100	Is there a clinical requirement?	Yes, 40 hours in a long-term care facility
TB Test	\$55	Informational video:	<a href="https://youtu.be/n_lkbb9Z4J8">https://youtu.be/n_lkbb9Z4J8</a>
Flu Vaccine	varies	What grade level is this course designed for?	11 <sup>th</sup> or 12 <sup>th</sup>
CNA Workbook	\$20	If I take this course in 11 <sup>th</sup> grade, what are my options in 12 <sup>th</sup> grade?	PCT, MA, or any combination of health science electives

Program of Study Course Sequence	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Health Science: Certified Nursing Assistant (CNA)</b>	Medical Terminology (1 credit)	Health Science Theory (1 credit)	Anatomy and Physiology (1 credit) AND Practicum in Health Science I: CNA (2 credits)	Practicum in Health Science II: PCT (2 credits) OR Practicum in Health Science II: CMA (2 credits)

# CLINICAL ROTATIONS

Are you interested in pursuing a career in the medical field but unsure of which specialty to choose? Clinical rotations may be an ideal option for you. Students will have the opportunity to complete rotations at a hospital, observing various medical specialties, or to intern in settings such as dental practices, optometry clinics, pediatric offices, physical therapy centers, or other healthcare facilities. Practicum students will divide their time between classroom instruction and clinical training. Participants in this program will also have the opportunity to obtain their EKG Technician certification.

Item	Cost	FAQ for this course	Answer
Drug Screen	\$45-\$70	Am I required to have reliable transportation?	Yes, by September 1, 2025
TB Test	\$55	Is there a certification for this class?	Yes, EKG Technician
Scrubs (2 pair)	\$100	Is there a clinical requirement?	Yes, the entire course is dedicated to clinical rotations
Flu Vaccine	varies	Informational video:	<a href="https://youtu.be/CnTRGf7oyZc">https://youtu.be/CnTRGf7oyZc</a>
EKG Certification	\$125	What grade level is this course designed for?	11 <sup>th</sup> or 12 <sup>th</sup>
		If I take this course in 11 <sup>th</sup> grade, what are my options in 12 <sup>th</sup> grade?	PCT, MA, or any combination of Health Science electives

Program of Study Course Sequence	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Health Science: Clinical Rotations</b>	Medical Terminology (1 credit)	Health Science Theory (1 credit)	Anatomy and Physiology (1 credit) AND Practicum in Health Science I: Clinical Rotations (2 Credits)	Practicum in Health Science II: PCT (2 credits) OR Practicum in Health Science II: CMA (2 credits)

# EMERGENCY MEDICAL TECHNICIAN (EMT)

Open to students pursuing careers as paramedics, EMTs, emergency physicians, trauma surgeons, ER nurses, or ICU nurses, this program teaches vital emergency skills, including trauma recognition, patient assessment, care procedures, and medical emergency treatment. Completion of the course, clinical hours, ride-alongs, and passing the National Registry exam qualifies students to work as EMTs immediately after high school. It also provides a stepping-stone to careers like firefighter or paramedic and offers a challenging, rewarding experience. Junior students in Pre-EMT courses (Pathophysiology, Anatomy & Physiology) will develop a strong foundation for success in this program.

Item	Cost	FAQ for this course	Answer
Uniform	\$125	Am I required to have reliable transportation?	Yes, by December 1, 2026 (Weekends/holidays only)
Drug Screen	\$45-\$70	Is there a certification for this class?	Yes, Emergency Medical Technician
TB Test	\$30	Is there a clinical requirement?	Yes, 36 hours in ER and 42 hours in ambulance or a combination of both
EMT Exam and Fees	\$160	Informational video:	<a href="https://youtu.be/4_ei2cINIJg">https://youtu.be/4_ei2cINIJg</a>
Liability Insurance	\$50	What grade level is this course designed for?	The practicum is only for 12 <sup>th</sup> graders; 11 <sup>th</sup> graders are enrolled in A&P and Patho
Fingerprints	\$45	If I take pathophysiology in 11 <sup>th</sup> grade, what are my options in 12 <sup>th</sup> grade?	EMT Practicum, MA, PCT, or any combination of health science electives

Program of Study Course Sequence	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Health Science: Emergency Medical Technician (EMT)</b>	Medical Terminology (1 credit)	Health Science Theory (1 credit)	Anatomy and Physiology (1 credit) AND Pathophysiology (1 credit)	Practicum in Health Science I: EMT (2 credits) OR Practicum in Health Science II: PCT (2 credits) OR Practicum in Health Science II: CMA (2 credits)

# PHARMACY TECHNICIAN (CPHT)

Pharmacy technicians play a vital role in ensuring safe and effective patient care, with key duties including: managing inventory; receiving prescription requests from patients and healthcare providers; accurately measuring medication dosages; establishing and maintaining patient records; and processing payments and insurance claims for prescriptions. The pharmacy industry is undergoing significant evolution. Numerous clinical responsibilities have been delegated to pharmacy professionals, thereby expanding the scope of practice for both pharmacists and pharmacy technicians. According to the National Healthcareer Association's 2020 Industry Outlook, 40% of employers reported that pharmacy technicians now hold additional responsibilities compared to the previous year.

Item	Cost	FAQ for this course	Answer
CPht Exam	\$129	Am I required to have reliable transportation?	Yes, by October 1, 2026, to participate in clinicals
SPAT Exam	\$250	Is there a certification for this class?	Yes, Certified Pharmacy Technician AND Sterile Processing & Aseptic Technique
Scrubs (2 pair)	\$100		
Drug Screen	\$45 - \$70	Is there a clinical requirement?	Not required but highly recommended
TB Test	\$55	Informational video:	<a href="https://tinyurl.com/2nvuvjup">https://tinyurl.com/2nvuvjup</a>
Flu Vaccine	varies	What grade level is this course designed for?	The practicum is only for 12 <sup>th</sup> graders; 11 <sup>th</sup> graders are enrolled in A&P and Pharmacology
License and Fingerprinting	\$100	If I take pharmacology in 11 <sup>th</sup> grade, what are my options in 12 <sup>th</sup> grade?	Pharmacy Practicum, PCT, MA, or any combination of health science electives

Program of Study Course Sequence	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Health Science: Pharmacy</b>	Medical Terminology (1 credit)	Health Science Theory (1 credit)	Anatomy & Physiology (1 credit) AND Pharmacology (1 credit)	Practicum in Health Science I: Pharmacy (2 credits), OR Practicum in Health Science II: PCT (2 credits) OR Practicum in Health Science II: CMA (2 credits)

# EXERCISE SCIENCE AND SPORTS MEDICINE

Find your niche in the health and wellness arena. This pathway is for students interested in future careers that provide a service to help others with their overall health and wellness such as: athletic trainer, personal trainer, physical therapist, nutritionist, orthopedic surgeon, coaches. Students obtain their First Aid and BLS CPR certification and learn about the body's development, dynamic movement, injuries, nutrition, strength and conditioning through interactive labs and activities.

Item	Cost	FAQ for this course	Answer
Certification Exam	\$249	Am I required to have reliable transportation?	Yes, by October 1, 2026, to participate in clinicals
Certification Prep Materials	\$0	Is there a certification for this class?	Yes, Certified Personal Trainer
		Is there a clinical requirement?	Not required but highly recommended
Uniform	\$25-\$100	What grade level is this course designed for?	The practicum course is only for 12 <sup>th</sup> graders; 11 <sup>th</sup> graders will take the Kinesiology II course
TB Test	\$55		
Flu Vaccine	varies	If I take Kinesiology II in 11 <sup>th</sup> grade, what are my options in 12 <sup>th</sup> grade?	Sports Medicine Practicum CCMA, PCT, or any combination of Health Science electives

Program of Study Course Sequence	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Health Science: Exercise Science and Sports Medicine</b>	Medical Terminology (1 credit)	Health Science* Theory (1 credit) AND Kinesiology I* (1 credit)	Anatomy and Physiology (1 credit) AND Kinesiology II (1 credit)	Practicum in Health Science I: Exercise Science (2 credits), OR Practicum in Health Science II: PCT (2 credits) OR Practicum in Health Science II: CMA (2 credits)

\*Students **fully committed** to the Exercise Science pathway as their program of study can opt to only take Kinesiology I during their 10<sup>th</sup> grade year. Students wanting to keep their options open for other health science programs should take Health Science theory and Kinesiology I in 10<sup>th</sup> grade.

# MEDICAL LAB ASSISTANT (MLA)

Medical Laboratory Assistants are healthcare professionals who can be found working both on the frontlines and behind the scenes. Medical Lab Assistants typically work in lab settings such as those within a hospital, physician's office, or urgent care facility. The work they do is important for both patients and the healthcare field overall. Their duties may include:

- Drawing blood from patients (also called phlebotomy)
- Properly labeling and handling samples ahead of lab tests
- Preparing lab equipment for tests and research
- Using various pieces of lab equipment such as microscopes
- Performing lab tests
- Reporting test results to doctors or other healthcare personnel

Item	Cost	FAQ for this course	Answer
Scrubs (2 pair)	\$100	Am I required to have reliable transportation?	No
CPT Exam Prep Materials	\$0	Is there a certification for this class?	Yes, Certified Phlebotomy Technician
CPT Exam	\$125	Is there a clinical requirement?	No
Cords/Pins	\$25	What grade level is this course designed for?	12 <sup>th</sup>

Program of Study Course Sequence	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Health Science: Medical Lab Assistant</b>	Medical Terminology (1 credit)	Health Science Theory (1 credit)	Medical Microbiology (1 credit) AND Anatomy and Physiology (1 credit)	Practicum in Health Science : Medical Lab Assistant, OR Practicum in Health Science II: PCT (2 credits) OR Practicum in Health Science II: CMA (2 credits)

# CLINICAL MEDICAL ASSISTANT (CCMA)

Medical assistants (MAs) are critical members of healthcare teams in a variety of medical settings. As an MA, you are often the first and last person a patient interacts with, making a lasting impact on the patient experience. MAs are flexible, performing a variety of tasks such as:

- Taking patient vital signs
- Basic Patient Care
- Assisting providers with exams and procedures
- Administering injections or medications
- Performing EKG, phlebotomy and other essential laboratory procedures
- Checking patients in and out upon arrival and departure
- Answering phone calls and questions
- Updating and maintaining electronic health records (EHR)

**Required Prerequisite Options:** Must have completed at least one of the following courses: Clinical Rotations, Certified Nursing Assistant, Pharmacology, Pathophysiology, Medical Microbiology, or Kinesiology II

Item	Cost	FAQ for this course	Answer
MA Exam	\$160	Am I required to have reliable transportation?	Yes, by November 1, 2026, to participate in clinicals
MA Exam Prep Materials	\$0	Is there a certification for this class?	Yes, Certified Clinical Medical Assistant
Scrubs (2 pair)	\$100	Is there a clinical requirement?	Not required, but highly recommended
Stethoscope	\$10	Informational video:	<a href="https://youtu.be/lrpuqx5Py1E">https://youtu.be/lrpuqx5Py1E</a>
Cords/Pins	\$25	What grade level is this course designed for?	12 <sup>th</sup>
Drug Screen	\$45 - \$70		
TB Test	\$55		

# PATIENT CARE TECHNICIAN (PCT)

Doctors, nurses and other healthcare professionals rely on patient care technicians to assist with the critical day-to-day care some patients require. They provide hands-on assistance to serve patients' basic needs, which greatly impacts the lives of their patients and their patients' families. As a patient care tech, you may be able to perform some or all the following tasks:

- Provide basic patient care — bathing, feeding, catheter care, etc.
- Acquire, distribute and administer patient care supplies
- Perform safety checks and ensure cleanliness in patient rooms
- Accommodate any additional patient needs
- Obtain EKG readings and monitor vital signs
- Perform phlebotomy procedures
- Provide emotional support to patients and families, particularly coping with grief and death

**Required Prerequisite Options:** Must have completed at least one of the following courses: Clinical Rotations, Certified Nursing Assistant, Pharmacology, Pathophysiology, Medical Microbiology, or Kinesiology II

Item	Cost	FAQ for this course	Answer
PCT Exam	\$160	Am I required to have reliable transportation?	Yes, by October 1, 2026, to participate in clinicals
PCT Exam Prep Materials	\$0	Is there a certification for this class?	Yes, Patient Care Technician
Scrubs (2 pair)	\$100	Is there a clinical requirement?	Not required, but highly recommended
Cords/Pins	\$25	Informational video:	<a href="https://www.youtube.com/watch?v=Kt27RDHkiUA">https://www.youtube.com/watch?v=Kt27RDHkiUA</a>
Drug Screen	\$45 - \$70	What grade level is this course designed for?	12 <sup>th</sup>
TB Test	\$55		

# COURSE REQUEST PROCESS

To be eligible for any of the 11<sup>th</sup> or 12<sup>th</sup> grade Health Science programs, you are **required** to complete the Health Science course request process. All students will be placed into a Health Science program but may not receive their 1<sup>st</sup> or 2<sup>nd</sup> choice program due to limited availability of these popular programs.

## **Steps to submit your course request**

1. Complete the YouTube video – NO AI or ChatGPT
2. 3 Teacher Recommendations
  1. You must have three teachers complete the teacher recommendation Google Form by January 31, 2026.
  2. It is your responsibility to send teachers the link and complete the form.
  3. A periodic update of completed recommendations will be sent to your Health Science teacher.
3. Complete Student Course Request Google Form (Deadline: January 31, 2026)
4. Complete interview (if needed; program dependent) in February

## **Links and Resources**

- Health Science Request Form: <https://forms.gle/1Xgqzi7JMtaXvbJu5>
- Teacher Recommendation Form: <https://forms.gle/kUPiFYf9L8Y6Bq7b9>
- Scoring Rubric: [Spring 2026 Health Science Scoring Rubric.pdf](#)

## **Contact Information**

For questions or assistance please reach out to your Health Science teacher or the CTE Coordinator for Health Science, Debby Schneemann, at [debra.schneemann@kellerisd.net](mailto:debra.schneemann@kellerisd.net) or 817-743-8043