



Crosby ISD CTE Programs of Study 2019 - 2020

Endorsement: Public Service CTE Cluster: Health Science

Principles of Health Science
1 credit
9th Grade

Medical Terminology
1 credit
10th Grade

Medical Terminology
1 credit
10th Grade

Medical Terminology
1 credit
10th Grade

Medical Terminology
1 credit
10th Grade

Medical Terminology
1 credit
10th Grade

Health Science Theory
for Clinical
2 credits
11th Grade

Health Science Theory
1 Credit
11th Grade

Pharmacy Technician
Program I (San Jac)
3 credits
11th Grade

Health Science Theory
1 Credit
11th Grade

Medical Assistant I
(San Jac)
4 credits
11th Grade

Practicum in Health
Science: Clinical
Rotation
2 credits
12th Grade

Anatomy and
Physiology
1 credit
12th Grade

Pharmacy Technician
Program II (San Jac)
4 credits
12th Grade

Emergency Medical
Technician Program
(San Jac)
3 credits
12th Grade

Medical Assistant II
(San Jac)
4 credits
12th Grade

Patient Care Technician
(Clinical) Pathway

General Health Science
Pathway

Pharmacy Technician
Pathway

Emergency Medical
Technician Pathway

Medical Assistant
Pathway



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Endorsement: Public Service CTE Cluster: Health Science

	Patient Care Technician (Clinical)	General Health Science	Pharmacy Technician Pathway (San Jac)	Emergency Medical Technician Pathway (San Jac)	Medical Assistant Pathway (San Jac)
9th Grade	Principles of Health Science (1 credit)	Principles of Health Science (1 credit)	Principles of Health Science (1 credit)	Principles of Health Science (1 credit)	Principles of Health Science (1 credit)
10th Grade	Medical Terminology (1 credit)	Medical Terminology (1 credit)	Medical Terminology (1 credit)	Medical Terminology (1 credit)	Medical Terminology (1 credit)
11th Grade	Health Science Theory for Clinical Rotation (2 credits)	Health Science Theory (1 credit)	Pharmacy Technician Program I at San Jacinto College	Health Science Theory (1 credit)	Medical Assistant Program at San Jacinto College
12th Grade	Practicum in Health Science Clinical Rotation (2 credits)	Anatomy and Physiology	Pharmacy Technician Program II at San Jacinto College	Emergency Medical Technician at San Jacinto College	Medical Assistant Program II at San Jacinto College
Additional Courses	Anatomy and Physiology (1 credit)		Anatomy and Physiology (1 credit)		
Certifications	Patient Care Technician		Pharmacy Technician	Emergency Medical Technician Basic	Clinical Medical Assistant



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CTE Cluster: Health Science Course Descriptions

9th Grade Options:

- ***Principles of Health Science*** provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.
Credit: 1 Prerequisite: None

10th Grade Options:

- ***Medical Terminology*** introduces students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.
Credit: 1 Prerequisite: Principles of Health Science

11th Grade Options:

- ***Health Science Theory*** provides for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.
Credit: 1 Prerequisite: Principles of Health Science and Medical Terminology
- ***Health Science Theory for Clinical*** provides for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.
Credit: 2 Prerequisite: Principles of Health Science and Medical Terminology
- ***Pharmacy Technician Program I*** The pharmacy technician program at San Jacinto College is a nationally-accredited program under the guidelines of the American Society of Health-System Pharmacists and the Accreditation Council for Pharmacy Education (ASHP/ACPE). The program curriculum requires students to complete 32 credit hours that total 864 contact hours which consists of a combination of lecture, on-campus laboratory and clinical training. The emphasis of the program is on training students to work in retail and hospital pharmacies. Upon completion of the program, students are awarded a certificate of technology. After graduation, students register to take the National Certification Exam. A pharmacy technician must pass the certification examination and register with the Texas State Board of Pharmacy (TSBP) to practice as a certified pharmacy technician (CPhT) in the state of Texas. The program includes two clinical courses. Clinicals are unpaid positions in which students are supervised by the employees at the clinical site. Clinicals are scheduled according to the hours of the site and may vary among day, evening and night shifts. We cannot guarantee any specific site, but every effort will be made to accommodate the student. Students are responsible for their own transportation to and from clinical sites. Applicants for the program must meet the requirements for general admission to the College and must also meet program specific requirements. For detailed information concerning admission requirements and deadlines for submitting applications and related documents, contact the Pharmacy Technician Department.
Credit: 4 Prerequisite: Principles of Health Science and Medical Terminology, Acceptance into San Jacinto College Pharmacy Technician Program



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- **Medical Assistant Program I** is designed to train medical assistant personnel to perform both administrative and clinical duties and to report directly to an office manager, physician, or other health practitioner. Administrative duties may include answering telephones, greeting patients, updating and filing patient medical records, filling out insurance forms, scheduling appointments, handling billing, and bookkeeping. Clinical duties vary according to state law but can include taking medical histories and recording vital signs, explaining treatment procedures to patients, preparing patients for examination, and assisting physicians during examination. Upon completion of the Medical Assisting program, the student is granted a certificate of technology and is eligible to sit for two exams. These include the AAMA Certification Examination to earn the Certified Medical Assistant, CMA (AAMA) and the Registered Medical Assistant Exam to earn the RMA (AMT) Certification.
Credit: 4 Prerequisite: Principles of Health Science and Medical Terminology, Acceptance into San Jacinto College Medical Assistant Program

12th Grade Options:

- **Practicum in Health Science: Clinical Rotation** provides students with a practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience.
Credit: 2 Prerequisite: Principles of Health Science and Medical Terminology
- **Anatomy and Physiology** students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.
Credit 1 Prerequisite: Biology, 2nd Science credit
- **Pharmacy Technician Program II** The pharmacy technician program at San Jacinto College is a nationally-accredited program under the guidelines of the American Society of Health-System Pharmacists and the Accreditation Council for Pharmacy Education (ASHP/ACPE). The program curriculum requires students to complete 32 credit hours that total 864 contact hours which consists of a combination of lecture, on-campus laboratory and clinical training. The emphasis of the program is on training students to work in retail and hospital pharmacies. Upon completion of the program, students are awarded a certificate of technology. After graduation, students register to take the National Certification Exam. A pharmacy technician must pass the certification examination and register with the Texas State Board of Pharmacy (TSBP) to practice as a certified pharmacy technician (CPhT) in the state of Texas. The program includes two clinical courses. Clinicals are unpaid positions in which students are supervised by the employees at the clinical site. Clinicals are scheduled according to the hours of the site and may vary among day, evening and night shifts. We cannot guarantee any specific site, but every effort will be made to accommodate the student. Students are responsible for their own transportation to and from clinical sites. Applicants for the program must meet the requirements for general admission to the College and must also meet program specific requirements. For detailed information concerning admission requirements and deadlines for submitting applications and related documents, contact the Pharmacy Technician Department.
Credit: 5 Prerequisite: Pharmacy Technician Program I, Acceptance into San Jacinto College Pharmacy Technician Program and completion of the Pharmacy Technician Program Year 1 courses



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- **Emergency Medical Technician** The goal of the EMS Program at San Jacinto College is to prepare competent entry-level Emergency Medical Technicians and Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains, with exit points at the Emergency Medical Technician-Intermediate, and Emergency Medical Technician-Basic levels. The emergency medical services (EMS) curriculum includes a combination of class lectures, skills training and clinical training in hospital and ambulance settings. The EMS program at San Jacinto College meets Texas Department of State Health Services (TDSHS) and the National Registry of EMT requirements for certification eligibility. Upon successful completion of the program, students registering for the emergency medical services program must meet TDSHS requirements and be eligible to take the National Registry of EMT certification examination. Applicants for the program must meet the requirements for general admission to the College and must also meet program specific requirements.
Credit: 3 Prerequisite: Principles of Health Science, Medical Terminology, and Health Science Theory, Acceptance into San Jacinto College Emergency Medical Technician Program
- **Medical Assistant Program II** is designed to train medical assistant personnel to perform both administrative and clinical duties and to report directly to an office manager, physician, or other health practitioner. Administrative duties may include answering telephones, greeting patients, updating and filing patient medical records, filling out insurance forms, scheduling appointments, handling billing, and bookkeeping. Clinical duties vary according to state law but can include taking medical histories and recording vital signs, explaining treatment procedures to patients, preparing patients for examination, and assisting physicians during examination. Upon completion of the Medical Assisting program, the student is granted a certificate of technology and is eligible to sit for two exams. These include the AAMA Certification Examination to earn the Certified Medical Assistant, CMA (AAMA) and the Registered Medical Assistant Exam to earn the RMA (AMT) Certification.
Credit: 5 Prerequisite: Medical Assistant Program I, Acceptance into San Jacinto College Medical Assistant Program and Completion of the Medical Assistant Year 1 Program courses