

Public Service Endorsement Health Science Career Cluster

Health Science education is a comprehensive secondary education program for students who have an interest and desire to explore health careers. Students gain the knowledge and skills to make realistic health career choices and enhance their academic foundations through strong science-based curriculum.

Possible career objectives for students with Health Science Technology training: Medical Doctor, Medical Records Clerk, Medical Assistant, Emergency Medical Technician, Medical Technology, Nurse's Aide, Nutritionist, Veterinarian, Doctor of Osteopathy, Nurse/Nurse Practitioner, Athletic Trainer, Medical Research/Testing, Medical Lab Assistant, Nursing Home Services, Pharmacist, Lab Technician, Physical Therapist, and Sports Physician.

Course Name	Course Code	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)
Medical Terminology	HLS010	1	9-10	None
Health Science Theory	HLS011	1	10-11	Biology (Biology may be taken concurrently with Health Science Theory)
Anatomy and Physiology (<i>science credit</i>)	HLS02C (CCA) HLS002 (High School Campus)	1	11-12	Biology, a second science credit

Dental Program of Study - Due to limited seats a rubric applies to this program.

Dental I - Practicum in Health Science I	HLS027	2	11	Health Science Theory
Dental II - Practicum in Health Science II	HLS029	2	12	Dental I - Practicum in Health Science I

Emergency Medical Technician (EMT) Program of Study - Due to limited seats a rubric applies to this program.

Disaster Response	HLS023	1	11	Biology, Health Science Theory, co-requisite Anatomy and Physiology; recommended Medical Terminology
EMT - Practicum in Health Science I	HLS026	2	12	Biology, Health Science Theory, Anatomy and Physiology, Disaster Response

Pharmacy Technician Program of Study - Due to limited seats a rubric applies to this program.

Pharmacology	HLS022	1	11	Biology, Chemistry, Health Science Theory (can take concurrently)
Pharmacy Technician - Practicum in Health Science I	HLS081	2	12	Health Science Theory, Biology, Pharmacology; recommended Medical Terminology, Anatomy and Physiology

Medical/Internship Program of Study - Due to limited seats a rubric applies to this program.

Medical Clinical - Practicum in Health Science I	HLS028	2	11	Health Science Theory, recommended Anatomy and Physiology taken concurrently, Medical Terminology
Internship - Practicum in Health Science	HLS032	2	12	Health Science Theory, Medical Clinical - Practicum in Health Science I, Provisionary Certified Medical Assistant; recommended Medical Terminology, Anatomy and Physiology

Collin College Dual Credit Health Science Program of Study – Please refer to page 67 for course descriptions. All Collin College programs have additional application and enrollment qualifications, TSIA is not required.

Patient Care Technician (PCT) <i>Two year program</i>	HLS26D Junior Year HLS27D Senior Year	4 total (2 each year)	11 and 12	Health Science Theory
Electrocardiography (EKG)	HLS21D HLS28D	2	11-12	Health Science Theory
Medical Terminology I (fall semester)	HLS10D	.5	11-12	Application and enrollment qualifications
Pathophysiology (spring semester)	HLS10D	.5	11-12	Application and enrollment qualifications