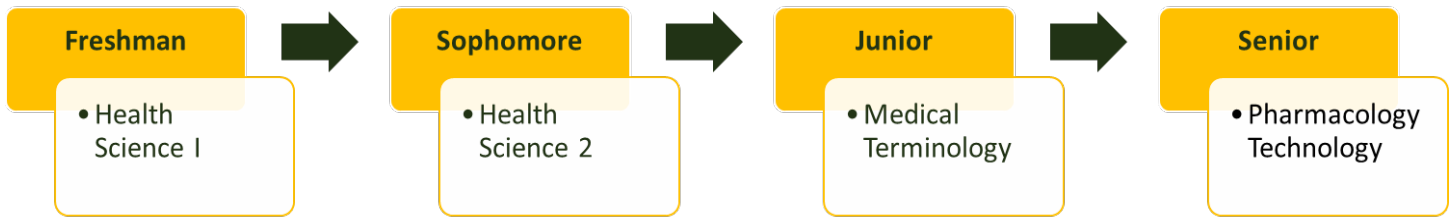


Pharmacology Technology



Health Science I

Prerequisites: Students must have accepted to the Pharmacology Technology STEM program.

Are you interested in pursuing a career in healthcare but unsure of what career is right for you? If so, then Health Science 1 is the course for you. As the introductory course the Health Science Pathway, students are provided an overview of healthcare history, cultural diversity, medical terminology, medical math, infection control, the organization of healthcare facilities and the promotion of wellness. Exploration of healthcare careers, professionalism and employability skills are a main focus of this course. First aid and fire safety are introduced. Healthcare career exploration will be supported through projects, guest speakers, career fairs and fieldtrips. The skills and knowledge learned in Health Sciences 1 will prepare students for future courses taken in the Health Sciences pathway.

Health Science II

Prerequisites: Health Science I with an 75 or higher

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail the units of study that include advanced study of infection control. They will learn about "Transmission Based Precautions" and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn how law and ethics are applied in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will have the opportunity to become certified in First Aid and CPR. Career pathways and scenarios are introduced through each section. Students in this course will further their knowledge of healthcare careers and future goals by participating in a job shadowing experiences. This course provides a foundation for further advancement in Health Science.

Medical Terminology

Prerequisites: Must pass Health Science I and Health Science II with a 75 or higher

Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.

Pharmacology for Medical Careers

Prerequisites: Students must have passed Health Science I, Health Science II and Medical Terminology with a 75 or higher. Students must be enrolled in or have taken Anatomy and Physiology and have been accepted to the Pharmacology Technology STEM major.

Pharmacology for Medical Careers is a program designed to inform senior level students about pharmacology in the medical field, and to train pharmacy technicians for success in this career. At the high school level, students are exposed to pharmacy careers and benefit from pharmacology, math, and science standards included in this course.

This is a year long course with a certification exam at the end. Students who complete the course and pass the exam are issued a nationally recognized certification.

