

Academy of LIFE SCIENCES

The **Academy of Life Sciences** connects high school students with the world of life sciences, offering a curriculum that covers the different aspects of the Life Sciences industry to include health care, counseling and mental health, Dietician/Nutritionist, Veterinary, and Health Fitness Science.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Health Science I	Health Science II or Biomedical Technology	Pharmacy Technician CCCC Programs: -Nurse Aide -Dental Assisting -Medical Assisting -Health Information Technology	CCCC Programs: -Nurse Aide -Dental Assisting -Medical Assisting -Health Information Technology
Certifications and Honors Earned: <ul style="list-style-type: none"> - Community College Articulation Credit - First Aid - CPR/AED - Stop the Bleed - OSHA 10-Industry Certification (Healthcare) - CPhT Certified Pharmacy Technician Suggested Co-Requisites: <ul style="list-style-type: none"> - Biology - Chemistry - Physiology and Anatomy 		Academy of Life Sciences Cohorted Courses: Students in the Academy of Life Sciences will also take the following core courses as a group and the teachers will connect these courses with the business and finance curriculum: <ul style="list-style-type: none"> - Math - Science 	
Extra-Curricular Activities: <ul style="list-style-type: none"> - Business Tours - Field Trips - HOSA Activities and Competitions ...and much more!!			

Academy of Life Sciences

Course Descriptions

Biomedical Technology Honors

This course challenges students to investigate current trends in health care. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English language arts and science are reinforced in this course. HOSA Future Health Professionals competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Recommended maximum enrollment: 25

CREDIT: 1 **TYPE:** Honors

PREREQUISITE: Health Science I

Health Science I

This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course. HOSA Future Health Professionals competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Biology is recommended as preparation for this course. Recommended maximum enrollment: 30

CREDIT: 1 **TYPE:** Honors

Health Science II Honors

This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR and first aid training. English language arts and science are reinforced in this course. HOSA Future Health Professionals competitive events, community service, and leadership activities provide the opportunity to apply

essential standards and workplace readiness skills through authentic experiences. Recommended maximum enrollment: 20

CREDIT: 1 **TYPE:** Honors

PREREQUISITE: Health Science I

Pharmacy Technician Honors

This course has self-paced, on-line instruction designed to prepare high school seniors for a pharmacy technician career. Topics included in this course are federal law, medication used in major body systems, calculations, and pharmacy operations. Mathematics is reinforced in this course.

CREDIT: 1 **TYPE:** Honors

PREREQUISITE: Health Science II Honors or Biomedical Technology Honors