

Business of Science and Technology Academy

HEALTH SCIENCE PATHWAY (198)

Course Type	Course Code	Course Title	Course Description	Post Secondary Connection
Concentrator	IS520/521	Intro to Health Care & Careers	This course is designed for students interested in a career in the HealthCare Industry. Students research career path options and learn about a variety of careers in health care. Students receive instruction in the concepts of group dynamics, conflict resolution and negotiation, legal and ethical responsibility, safety, first aid, and standard precautions. Related mathematics and language arts standards are reinforced. Students may complete certifications in Infection Control.	A-G Approved
	IS522/523	Medical Terminology	This health course couples content and skills that focus on the well-being of body, mind, and social relationships. This course offers up-to-date information on body systems, human development, mental health, social health, substance abuse, and disease prevention. Skills are taught to help students incorporate this knowledge into their daily lives, which enable students to avoid imbalances, prevent disease, and increase the quality of their lives.	A-G Approved
Capstone Course I	0488/489	CTE First Responder	This course provides students with the knowledge and skills to take appropriate action as the first responder to an emergency scene. This course provides instruction in systems and structures of surface anatomy and key principles of physiology. The basic functions of the nervous system, cardiovascular system, and the respiratory system are presented. Students will perform an assessment of a patient's vital functions. Certified First Responder (CFR) is a required skill for entry-level firefighter positions. Upon successful completion of the course, students will receive American Heart Association certifications in Basic Life Support (CPR and AED) and First Aid for the Professional.	A-G Approved
	IS528/529	Pharmacology	This course provides a foundation for the use of medications across multiple health care professions. It focuses on a general understanding of the actions and use of various groups of pharmacologic agents. Included in the course is an overview of medications, the effect on different organ systems and the disease process, therapeutic effects, drug calculations, anatomy and physiology, and medical terminology.	A-G Approved
Capstone Course II	TBD	Industry Internship Seminar 1	This Internship seminar class encourages students to connect classroom learning with real-world, industry application. Students will benefit from the experiences of working in the community or on campus with peers and industry partners/potential employers. This course allows students to discuss, reflect upon, and better understand the internship experience. This course provides an opportunity to develop professional skills, including written and verbal communication skills, giving and receiving feedback, interviewing, presentation skills, and networking.	
	TBD	Industry Internship Seminar 2		

Coming Soon