Pelham High School
Healthcare and Medical Profession STEM Pathway

P A T H W A Y S

Why choose the Healthcare and Medical Profession Pathway?

Students should participate in the Healthcare and Medical Profession Pathway if they have an interest in healthcare careers. The healthcare industry is one of the largest providers of jobs in the United States and according to the U.S. Bureau of Labor Statistics; occupations related to healthcare are projected to have one of the fastest job growths to 2026.

Why should I sign-up for the Healthcare and Medical Profession Pathway?

The Healthcare and Medical Profession Pathway will provide you with the following benefits:

- ✓ Opportunity to take college courses and earn early college credits.
- ✓ Exposure to Healthcare field trips and guest speakers.
- ✓ Assist you defining your educational and career goals <u>prior</u> to high school graduation.

…It is never too early to think about your future!

According to the U.S. Department of Labor, long-term projections for Healthcare and Medical careers to 2026 are as follows:

Career Path	Rate of Growth	Educational Experience
Home Health Aid	47%	High School Diploma/ Certificate
Diagnostic Medical Sonographers	23%	Associate Degree
Physical Therapist Assistants	31%	Associate Degree
Medical Assistants	29%	Associate Degree
Dental Assistants	20%	Associate Degree
Respiratory Therapists	23%	Associate Degree
Registered Nurses	15%	Associate Degree
Nursing Aides	11%	Associate Degree
Radiologic Technologists and Techs	12%	Associate Degree
Licenses Practical Nurses	12%	Associate Degree
Medical Records and Health Techs	14%	Associate Degree
Athletic Trainers	22%	Bachelor Degree
Occupational Therapists	21%	Master's Degree
Physician Assistants	37%	Master's Degree
Physical Therapists	25%`	Doctorate Degree
Audiologists	20%	Doctorate Degree
Medical Scientists	13%	Doctorate Degree
Optometrists	17%	Doctorate Degree

Pelham High School
Healthcare and Medical Profession Pathway

What courses am I required to take?

Students in the STEM Pathway are required to follow a sequence of three (3) academic courses that must include the following:

Choose Three (3) Required Courses

STEM Pathway Requirements	Recommended Year			
	9	10	11	12
Introduction to STEAM (.5 credit)	X	X		
Excel *(College Credits Available)*			X	X
Statistics *(College Credits Available)**			X	X
Pre-Calculus			X	X
Physics			X	X

* Indicates that students have the option to sign up for either the college course or the non-leveled course.

To work in the healthcare industry, you must have special training. Therefore, in addition to the three (3) required STEM core courses, students will be studying either the certificate and associate degree pathway or the bachelor, masters and doctorate degree pathway. Each pathway is designed to provide students with experience in courses that are typically required in college.

Certificate and 2-Year Associate Degree Pathway

Option #1

Certificate and 2-Year Associate Degree Pathway	Recommended Year			
	9	10	11	12
Oral Communication (.5 credit)	X	X	X	X
Sociology (.5 credit)			X	X
Anatomy & Physiology			X	X

Option #2

Certificate and 2-Year Associate Degree Pathway	Recommended Year			
	9	10	11	12
Oral Communication (.5 credit)	X	X	X	X
Sociology (.5 credit)			X	X
Health Science I & II (Pinkerton CTE Program)			X	X

4-Year Bachelor, Masters, or Doctorate Pathway
Four (4) Required Courses

4-Year Bachelor, Masters, or Doctorate Pathway	Recommended Year			
	9	10	11	12
Biochemistry			X	X
Biology (AP)			X	X
Calculus *(College Credits Available)*			X	X
Anatomy & Physiology			X	X

What are the honor cord requirements for the STEM pathway?

An honor cord signifying your academic achievement in the STEM Pathway will be awarded to students who complete the following requirements:

- Completion of required and elective courses in the STEM Pathway with an overall 3.0 GPA
- Minimum overall 2.5 GPA in all high school courses
- Participate in an approved extended learning opportunity