

# Pelham High School

## Engineering and Engineering Technologies Chemical and Bio-Medical Engineering STEM Pathway Commitment

Name: \_\_\_\_\_

YOG: \_\_\_\_\_

### Required Courses:

Students in the Engineering and Engineering Technologies Pathway with a concentration in Chemical or Bio-Medical Engineering will follow a sequence of three (3) required academic courses:

### Choose Three (3) Required Courses

STEM Pathway Requirements	Recommended Year			
	9	10	11	12
Introduction to STEAM (.5 credit)	X	X		
Excel <i>(College Credits Available)</i>			X	X
Statistics <i>(College Credits Available)*</i>			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.*

In addition to the three (3) required core courses, students will choose four (4) elective courses. Each pathway is designed to provide students with experience in courses that are typically required in college.

### Choose Four (4) Elective Courses

4-Year Bachelor Degree Pathway	Recommended Year			
	9	10	11	12
Engineering and Design I (.5 credit)		X	X	X
Manufacturing Processes <i>(College Credits Available)</i>		X	X	X
Physics (Level 1)			X	X
Calculus <i>(College Credits Available)</i>			X	X
AP Chemistry or Biochemistry			X	X

### 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
- Active participation on the PHS FIRST Robotics Team or participate in an approved extended learning opportunity

By signing this Engineering and Engineering Technologies STEM Pathway Commitment, I am aware of the above requirements to receive an honor cord to wear during graduation.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date



Pelham High School  
College and Career Counseling Department  
85 Marsh Road  
Pelham, NH 03076