

Focus Area/Major

At the end of sophomore year, students in the Science and Technology Program chose a Focus Area. This is similar to a college major. The purpose is to guide students in selecting the proper courses for preparation for the college major they are considering.

Biological Science

- Designed for those students considering Medical School or a biology-related major
- Requirements:
 - AP Biology (Grade 10/11/12)
 - AP Chemistry (Grade 11*/12)
 - Additional Advanced Biology-related Course (Microbiology-Physiology, Genetics, AP Environmental Science)

Physical Science

- Designed for those students considering a college major in Engineering, Physics, Chemistry, Math, etc)
- Requirements:
 - AP Calculus
 - AP Chemistry (Grade 11)
 - AP Physics C (Grade 12)
 - Additional Advanced Science/Tech Course (Suggested courses include Bio-Organic, Geology, Computer Science, AP Computer Science, Production Systems, Electrical Systems, Energy Systems, Structural Systems)

Pre-Engineering Technologies

- Designed for those students –“hands-on approach”
- Requirements
 - Drafting (either Engineering or Architectural (Grade 10/11/12))
 - Systems Course (Production/Electrical/Energy/Structural (Grade 11*/12)
 - AP Chemistry or AP Physics C

Science/Engineering Exploration

- Designed for those students who have not decided on a possible major or those who will not meet the math requirement for Physical Science
- Requirements
 - One of the “AP 4” (AP Biology, AP Chemistry, AP Physics C, AP Computer Science)
 - Two additional CREDITS in Advanced/Science Tech Courses (see handout for complete listing of courses)