

IMS: A STEM Academy

The goal of The Institute of Mathematics and Science is to provide students with immersive learning within science, technology, engineering, and mathematics. Students are provided the opportunity to participate in problem-based learning experiences, with cross-curricular projects and assignments. Field trips and guest speakers give students exposure to college and career opportunities in the growing STEM environment.

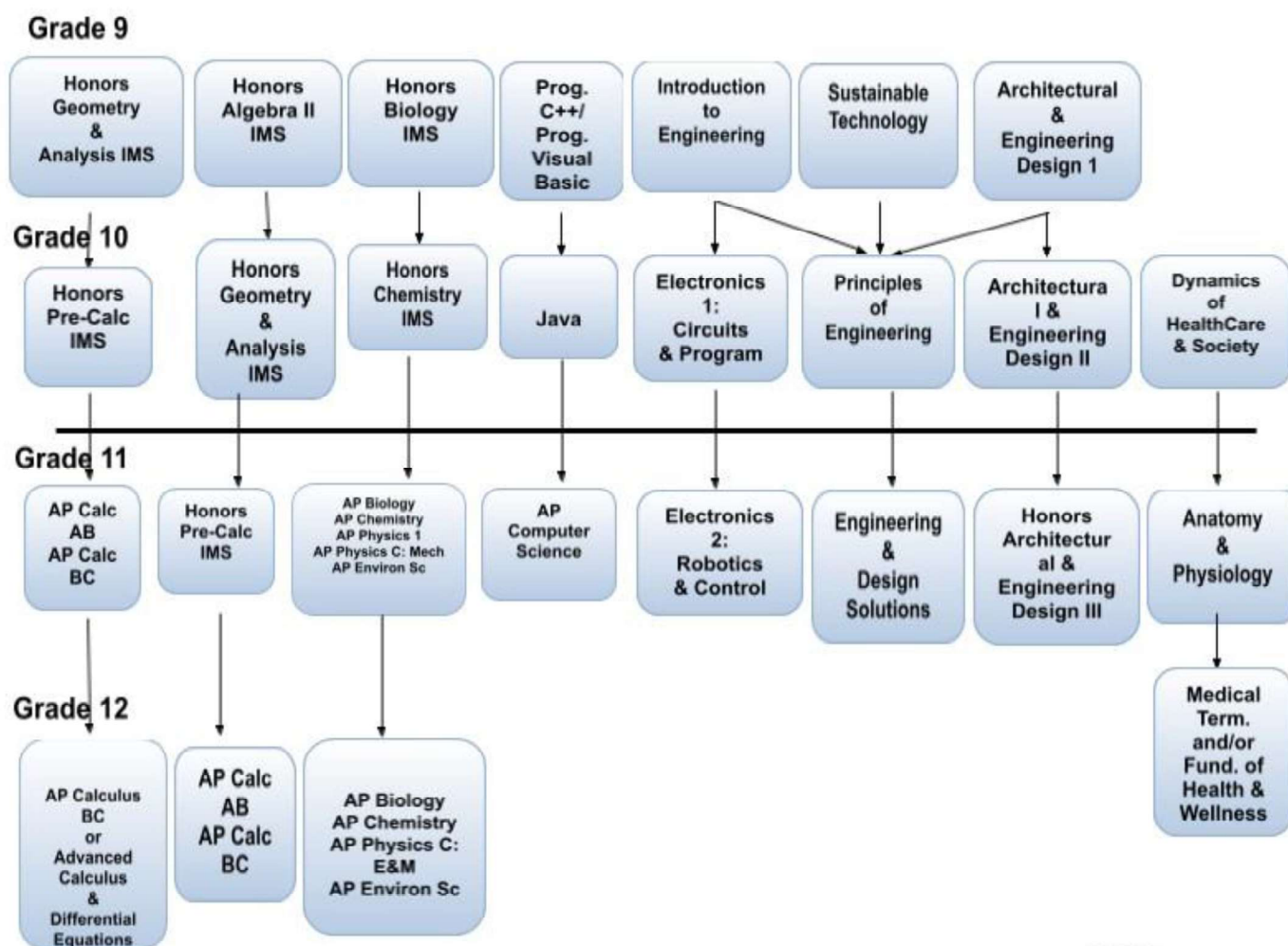
Course Sequence:

Students in the IMS program have a required progression in science and math. Students in Grade 9 enroll within a cohort of IMS students in Honors Biology IMS, Honors Algebra 2 IMS, Honors Geometry & Analysis IMS, and an IMS elective. In Grade 10, students progress into Honors Geometry & Analysis or Honors Pre-Calculus IMS and Honors Chemistry IMS. In successive years, additional options are available in terms of Honors and AP offerings. Please refer to the chart for possible combinations.

Students are also required to enroll in a STEM elective designed to provide practical and experimental application of learning in the core math and science classes. The computer science pathway allows students to develop skills and develop fluency in various programming languages. The engineering pathway gives students the opportunity to learn the elements of engineering and tech design in order to develop and construct new technologies.

Application Process:

Students apply for the program during their 8th grade year. Applications are due by February 2, 2024. Students are evaluated and scored based on the following categories: grades in core subject areas, standardized test results, teacher recommendations and a student writing sample. Students are required to follow the course sequence and requirements as they are listed below and only permitted to exit the program at the end of the school year.



10/19/2021