

## High School Programs

### **Math, Science, and Pre-Engineering**

Students who are interested in the various fields of research or applied mathematics, science, computer programming, and engineering find a challenging four years of required and elective subjects geared to match their interests and to prepare them for a college or university engineering program. The programs are designed for highly motivated students and offer enriched and accelerated coursework, as well as the possibility to work with professionals in the multiple fields of engineering. Students also have the option to earn college credit for selected courses.



*-available at Woodlawn High School Center for Math, Science, and Pre-Engineering (WHS)*

#### Courses Sequence

| Grade 9                            | Grade 10   | Grade 11  | Grade 12   |
|------------------------------------|--|---|--|
| Introduction to Engineering Design | Engineering Careers I<br>Principles of Engineering | Engineering Careers II<br>Digital Electronics<br>Civil Engineering & Architecture | Engineering Careers III<br>Engineering Careers III<br>CWE<br>Engineering Design & Development<br>Parallel/Dual Enrollment<br>Advanced Classes/AP |
| Elective Courses                   |  |   |  |

### **Woodlawn High School Center for Math, Science, and Pre-Engineering**

1801 Woodlawn Drive  
Baltimore MD 21207  
410-944-5212

Program Title: Math, Science, and Pre-Engineering

Applications are accepted for entering ninth graders from all attendance areas. Transportation is provided for students zoned to attend high schools in the Northwest or Southwest areas, as well as Dulaney or Towson High School.