

**SUGGESTED 4-YEAR COURSE OF STUDY**  
**RHS ENGINEERING - PLTW**  
 Class of 2025

| <b>FRESHMAN YEAR</b>                            | <b>COMMENTS</b>         |
|---|-------------------------|
| English 1 (Honors)                              | REQUIRED                |
| World History I (Honors / AP)                   | REQUIRED                |
| Math3 (Honors) / Math 2 / Math 1                | 4 Math Classes Required |
| Biology (Honors) OR Earth/Environmental Science | REQUIRED                |
| <b>Introduction to Engineering Design</b>       | REQUIRED                |
| Physical Education - Health                     | REQUIRED                |
| <b>CS Essentials</b>                            | Elective                |
| AP Human Geography / Band / Chorus / Orchestra  | Elective                |

| <b>SOPHOMORE YEAR</b>                                     | <b>COMMENTS</b>          |
|---|--------------------------|
| English 2 (Honors)  | REQUIRED                 |
| Civic Literacy (Honors) OR AP Government                  | REQUIRED                 |
| Pre-Calculus (Honors) / Math 3 / Math 2                   | 4 Math Classes Required  |
| Chemistry 1 (Honors)                                      |                          |
| <b>Principles of Engineering</b>                          | REQUIRED                 |
| French / Latin / Spanish 1                                | Recommend both same year |
| French / Latin / Spanish 2                                | Recommend both same year |
| Public Speaking / Creative Writing / <b>CS Principles</b> | Elective                 |

| <b>JUNIOR YEAR</b>   | <b>COMMENTS</b>         |
|--|-------------------------|
| English 3 (Honors / AP)  | REQUIRED                |
| American History (Honors) OR AP US History                       | REQUIRED                |
| AP Calculus (AB/BC – 2 Semesters) / Pre-Calculus / AP Statistics | 4 Math Classes Required |
| Earth Science / APES OR Biology (Honors)                         | REQUIRED                |
| <b>Digital Electronics</b>                                       | REQUIRED                |
| AP Biology / HN Anatomy and Physiology                           | Elective                |
| Public Speaking / AP Macroecon / AP Psychology                   | Elective                |
| <b>CyberSecurity</b>   | Elective                |

| <b>SENIOR YEAR</b>   | <b>COMMENTS</b>                |
|--|--------------------------------|
| English 4 (Honors / AP)  | REQUIRED                       |
| AP Calculus (AB/BC – 2 Semesters) / AP Statistics  | 4 Math Classes Required        |
| Physics (Honors / AP)  | Elective                       |
| <b>Civil Engineering and Architecture, Aerospace Engineering, Computer Integrated Manufacturing, Computer Science Applications</b> | 1 REQUIRED/others are optional |
| Economics and Personal Finance (Honors)  | REQUIRED                       |