

**SUGGESTED 4-YEAR COURSE OF STUDY**  
**RHS ENGINEERING - PLTW**  
 2019-2020 Edition

<b>FRESHMAN YEAR</b>	Comments
English 1 (Honors)	REQUIRED
World History I (Honors)	REQUIRED
Math3 (Honors)/Math2/Math1	4 Maths Required
Biology (Honors) OR Physical Science	REQUIRED
<b><u>Introduction to Engineering Design</u></b>	REQUIRED
Phys Ed/Health	REQUIRED
Drafting 1 / MS (Word/Ppt, Ex)	Elective
Human Geography (AP) / Band/Chorus	Elective

<b>SOPHOMORE YEAR</b>	Comments
English 2 (Honors)	REQUIRED
American History 1 (Honors)/ AP World	(2 US History/or AP REQUIRED)
Pre-Calculus (Honors)/ Math3/Math2	4 Maths Required
Chemistry 1 (Honors)	
<b><u>Principles of Engineering</u></b>	REQUIRED
French/Latin/Spanish 1	Recommend both same year
French/Latin/Spanish 2	Recommend both same year
Public Speaking/Cr. Writing	Elective

<b>JUNIOR YEAR</b>	Comments
English 3 (Honors/AP)	REQUIRED
American History 2 (Honors/AP**)	(2 US History REQUIRED)
AP Calculus (AB/BC – 2 Semesters)/PreCal/AP Stat	4 Maths Required
Earth Science/APES OR Biology (Honors)	REQUIRED
<b><u>Digital Electronics</u></b>	REQUIRED
AP Bio/ HN Anatomy & Physiology	Elective
Public Speaking/AP Macro/AP Psych	Elective
Drafting 2, PLTW Jr/Sr electives	Elective

<b>SENIOR YEAR</b>	Comments
English 4 (Honors/AP)	REQUIRED
AP Calculus/AP Statistics	4 Maths Required
AP Chemistry and/or Physics (Honors/AP)	
<b><u>Civil Engineering and Architecture and/or Aerospace Engineering, Computer Integrated Manufacturing, Computer Science Principles</u></b>	1 REQUIRED/others optional
Civics and Economics (Honors)	REQUIRED