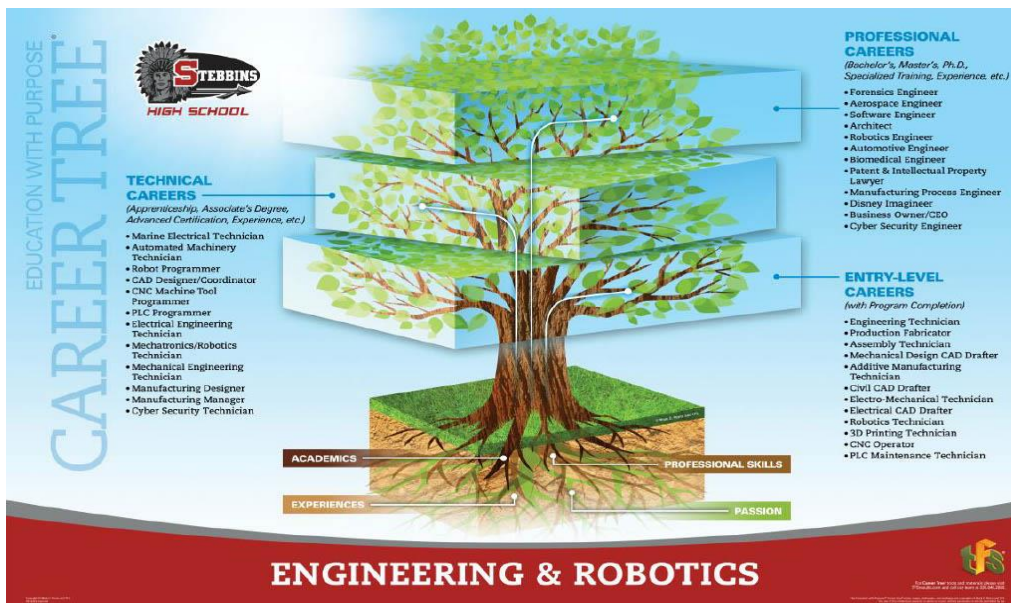


# Career Pathway: Engineering



<b>Mad River Middle School</b>	
<b>7<sup>th</sup> Grade</b>	<b>Supporting Courses:</b> Design & Modeling, Robotics & Automation
<b>8<sup>th</sup> Grade</b>	<b>Supporting Courses:</b> Flight & Space, Green Architecture, Advanced Robotics
<b>Stebbins High School</b>	
<b>9<sup>th</sup> grade</b>	<b>Required Courses:</b> Algebra 1, English 101, Physical Science, World Studies, Health, PE, Art I
	<b>Supporting Courses:</b> Intro to STEM Engineering, Computer Applications I, Foreign Language
<b>10<sup>th</sup> grade</b>	<b>Required Courses:</b> Geometry, English 201, Biology, American History, Art II
	<b>Supporting Courses:</b> Engineering Specialization, Computer Applications II, Foreign Language, Textile Design
<b>11<sup>th</sup> grade</b>	<b>Required Courses:</b> Algebra II, Chemistry, English 301, American Government,
	<b>Supporting Courses:</b> Speech & Communication, Creative Writing
	<b>Concentrator Courses:</b> Principal of Manufacturing, Manufacturing Operations
<b>12<sup>th</sup> grade</b>	<b>Required Courses:</b> English 401, Applied Mathematics or Statistics
	<b>Supporting Courses:</b> Advanced Science, Social Studies Elective
	<b>Completer Courses:</b> Engineering Design, Machine Tools, Engineering Capstone
<b>College Credit</b>	
*Basic Mechanical & Electrical Skills, *Additive Design & Printing, +Guitar Manufacturing using STEM, *Solid works Basic, +Additive Manufacturing Post Process (Concurrent enrollment courses * Juniors, + Seniors)	
<b>Industry-Recognized Credentials</b>	
OSHA 10-Hour	
<b>Work-Based Learning</b>	
Apprenticeship & Pre-Apprenticeship, Internship, Virtual, Simulated Work Environment	



*This pathway layout is meant to serve as a guide; for your specific graduation plans please schedule a meeting with your counselor.*