

Engineering

9th Grade	10th Grade		11th Grade	12th Grade	
English 9	English 10		English 11	English 12	
World History	US History I: Grade 10		US History II: Grade 11	US Government	Economics
Geometry w/ Data Analysis	Algebra 1 w/ Probability		Algebra 2 w/ Statistics	4th Core Math	
Biology	Chemistry		3rd Core Science <i>(Physics recommended)</i>	4th Core Science	
Beginning Kinesiology (PE)	Health	Elective (0.5)	Computer Integrated Manufacturing or Civil Engineering & Architecture	Engineering Research & Design Internship <i>(Seniors Only)</i>	
Career Preparedness	Principles of Engineering		Elective		
Intro to Engineering Design	Elective		Elective	Elective	
Elective	Elective		Elective	Elective	

Optional Electives that may be Beneficial:

CTE Lab in STEM (Advanced Manufacturing & Machining), NCCER Construction courses (Arc/Mfg., Site Prep, Construction Framing, Construction Finishing), Visual Art Courses

Optional Core Courses:

Precalculus, Calculus A, AP Calculus BC, Physics or AP Physics 1, AP Physics C: Mechanics, AP Physics C: Electricity & Magnetism