

STEM Endorsement

Course Pathway	Year	Course
Math	7th Grade	Algebra I AAC
	8th Grade	Geometry AAC
	Freshman	Algebra II AAC
	Sophomore	AP Statistics
	Junior	Precalculus AAC
	Senior	AP Calculus AB or BC
Math	6th Grade	Algebra I AAC
	7th Grade	Geometry AAC
	8th Grade	Algebra II AAC
	Freshman	AP Statistics
	Sophomore	Precalculus AAC
	Junior	AP Calculus AB or BC
	Senior	Linear Algebra or AP Computer Science
Science	Freshman	Biology
	Sophomore	Chemistry
	Junior	Physics
	Any 2 Additional Science	Environmental Systems Earth and Space Science DE Aquatic Science Astronomy Anatomy and Physiology Forensic Science AP Biology II AP Chemistry II AP Environmental Science AP Physics 2 AP Physics C - Mechanics AP Physics C-Electricity and Magnetism Advanced Animal Science Scientific Research and Design

STEM Endorsment and Computer Related Electives

Course Pathway	Year	Course
Cybersecurity Will earn a STEM Endorsement	8th Grade	Optional - Fundamentals of Computer Science
	Freshman	Computer Science I (Python 1)
	Sophomore	Computer Science II (Python 2) or AP Computer Science (Java 1)
	Junior	Networking 1 with Lab
	Senior	Cyber Security Capstone
Computer Science will earn an Endorsment in STEM	8th Grade	Optional - Fundamentals of Computer Science
	Freshman	Computer Science I (Python 1)
	Sophomore	Computer Science II (Python 2)
	Junior	AP Computer Science (Java 1)
	Senior	Computer Science III (Java 2)
Engineering Related Electives Note: SHS does not have an engineering Pathway but can prepare you for Engineering at college) Most colleges require AP Calculus BC as a requirement to enter their engineering program.	Freshman	Introduction to Engineering Design
	Sophomore	Principles of Engineering and/or Computer Science I (Python 1 used in many first year engineering courses at college)
	Junior	Principles of Engineering or Scientific Research and Design and/or Computer Science II (Python 2)
	Senior	AP Computer Science (Java 1)