ISTEM Technical- CSIT Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9 th	English 1 or 2	Algebra/	Physical Science/	Amer Govt(H)/	Digital Information	Tech Studies	Elective
	(H)	Geometry (H)/ Algebra II (H)	Biology (H)	AP Govt	Technology		
10 th	English 2 or 3(H)/Pre-AP English	Geometry (H)/ Alg II (H)/ Analysis & Trig/ Precalc	Biology (H)/ Chem (H)/DE Chem	World Hist (H)/ AP World Hist	Comp Systems & Info Tech (CSIT) Found (1)	HOPE	Elective
11 th	English 3 or 4(H)/AP Lit AP Lang/DE	Algebra II (H)/ Analysis & Trig/ Precalc/AP Calc AB/ AP Stats/DE	Chem(H)/DE Chem/Physics(H) /DE	US Hist (H)/ AP US Hist/ Dual Enroll	CSIT System Essentials (2)	Elective	CSIT Network Systems (3)
12 th	English 4(H)/ AP Lit/AP Lang/DE	Analysis & Trig/ Precalc/ AP Calc AB/ AP Calc BC/ AP Stats/DE	Physics (H)/AP Bio/AP Chem/ AP Env Science/AP Physics/DE	Economics (H)/ AP Econ/DE	CSIT Network Systems Config (3) or CSIT Network Systems Design & Admin (4)	Elective	CSIT Network Systems Design (4) or CSIT Cybersecurity Essentials (5)

ISTEM Technical- Digital Design Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9 th	English 1 or 2	Algebra/	Physical Science/	Amer Govt(H)/	Digital Information	Tech Studies	Elective
	(H)	Geometry (H)/	Biology (H)	AP Govt	Technology/Digital		
		Algebra II (H)			Design I		
10 th	English 2 or	Geometry (H)/	Biology (H)/	World Hist (H)/	Digital Design I/II	HOPE	Elective
	3(H)/Pre-AP	Alg II (H)/	Chem (H)/DE Chem	AP World Hist			
	English	Analysis & Trig/					
		Precalc					
11 th	English 3 or	Algebra II (H)/	Chem(H)/DE	US Hist (H)/	Digital Design II/III	Elective	Elective
	4(H)/AP Lit	Analysis & Trig/	Chem/Physics(H)	AP US Hist/			
	AP Lang/DE	Precalc/AP Calc AB/	/DE	Dual Enroll			
		AP Stats/DE					
12 th	English 4(H)/	Analysis & Trig/	Physics (H)/AP	Economics (H)/	Digital Design III/IV	Elective	Elective
	AP Lit/AP	Precalc/	Bio/AP Chem/ AP	AP Econ/DE			
	Lang/DE	AP Calc AB/	Env Science/AP				
		AP Calc BC/	Physics/DE				
		AP Stats/DE					

^{*}Students must take at least one online course as a graduation requirement.

ISTEM Technical- Web Development Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9 th	English 1 or 2	Algebra/	Physical Science/	Amer Govt(H)/	Digital Information	Tech Studies	Elective
	(H)	Geometry (H)/	Biology (H)	AP Govt	Technology/Foundations		
		Algebra II (H)			of Web Design		
10 th	English 2 or	Geometry (H)/	Biology (H)/	World Hist (H)/	Foundations of Web	HOPE	Elective
	3(H)/Pre-AP	Alg II (H)/	Chem (H)/DE Chem	AP World Hist	Design/User Interface		
	English	Analysis & Trig/			Design		
		Precalc					
11 th	English 3 or	Algebra II (H)/	Chem(H)/DE	US Hist (H)/	User Interface	Elective	Elective
	4(H)/AP Lit	Analysis & Trig/	Chem/Physics(H)	AP US Hist/	Design/Web Scripting		
	AP Lang/DE	Precalc/AP Calc AB/	/DE	Dual Enroll	Fundamentals		
		AP Stats/DE					
12 th	English 4(H)/	Analysis & Trig/	Physics (H)/AP	Economics (H)/	Web Scripting	Elective	Elective
	AP Lit/AP	Precalc/	Bio/AP Chem/ AP	AP Econ/DE	Fundamentals/Media		
	Lang/DE	AP Calc AB/	Env Science/AP		Integration Essentials		
		AP Calc BC/	Physics/DE				
		AP Stats/DE					

ISTEM Technical- Game/Simulation/Animation Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9 th	English 1 or 2	Algebra/	Physical Science/	Amer Govt(H)/	Digital Information	Tech Studies	Elective
	(H)	Geometry (H)/	Biology (H)	AP Govt	Technology/ Game		
		Algebra II (H)			and Sim Foundations		
10 th	English 2 or	Geometry (H)/	Biology (H)/	World Hist (H)/	Game and Simulation	HOPE	Elective
	3(H)/Pre-AP	Alg II (H)/	Chem (H)/DE Chem	AP World Hist	Foundations/Game		
	English	Analysis & Trig/			and Sim Design		
		Precalc					
11 th	English 3 or	Algebra II (H)/	Chem(H)/DE	US Hist (H)/	Game and Sim	Elective	Elective
	4(H)/AP Lit	Analysis & Trig/	Chem/Physics(H)	AP US Hist/	Design/Game and Sim		
	AP Lang/DE	Precalc/AP Calc AB/	/DE	Dual Enroll	Programming		
		AP Stats/DE					
12 th	English 4(H)/	Analysis & Trig/	Physics (H)/AP	Economics (H)/	Game and Simulation	Elective	Elective
	AP Lit/AP	Precalc/	Bio/AP Chem/ AP	AP Econ/DE	Programming/Multi-		
	Lang/DE	AP Calc AB/	Env Science/AP		User Game and Sim		
		AP Calc BC/	Physics/DE		Programming		
		AP Stats/DE					

^{*}Students must take at least one online course as a graduation requirement.

ISTEM Scholar-Biotechnology Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9 th	English 1 or 2	Algebra/	Physical Science/	Amer Govt(H)/	Digital Information	AP Human Geo	World
	(H)	Geometry (H)/	Biology (H)	AP Govt	Technology/Biotech I		Language
		Algebra II (H)					
10 th	English 2 or	Geometry (H)/	Biology (H)/	World Hist (H)/	Biotechnology I/II	HOPE	World
	3(H)/Pre-AP	Alg II (H)/	Chem (H)/DE Chem	AP World Hist			Language
	English	Analysis & Trig/					
		Precalc					
11 th	English 3 or	Algebra II (H)/	Chem(H)/DE	US Hist (H)/	Biotechnology II/III	Elective	Elective
	4(H)/AP Lit	Analysis & Trig/	Chem/Physics(H)	AP US Hist/			
	AP Lang/DE	Precalc/AP Calc AB/	/DE	Dual Enroll			
		AP Stats/DE					
12 th	English 4(H)/	Analysis & Trig/	Physics (H)/AP	Economics (H)/	Biotechnology	Elective	Elective
	AP Lit/AP	Precalc/	Bio/AP Chem/ AP	AP Econ/DE	III/Research		
	Lang/DE	AP Calc AB/	Env Science/AP				
		AP Calc BC/	Physics/DE				
		AP Stats/DE					

ISTEM Scholar- Cyber Security Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9 th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology/ Computer & Network Security Fundamentals	AP Human Geo	World Language
10 th	English 2 or 3(H)/Pre-AP English	Geometry (H)/ Alg II (H)/ Analysis & Trig/ Precalc	Biology (H)/ Chem (H)/DE Chem	World Hist (H)/ AP World Hist	Computer & Network Security Fundamentals/ Cybersecurity Essentials	НОРЕ	World Language
11 th	English 3 or 4(H)/AP Lit AP Lang/DE	Algebra II (H)/ Analysis & Trig/ Precalc/AP Calc AB/ AP Stats/DE	Chem(H)/DE Chem/Physics(H) /DE	US Hist (H)/ AP US Hist/ Dual Enroll	Cybersecurity Essentials/ Operational Cybersecurity	AP Computer Science	Elective
12 th	English 4(H)/ AP Lit/AP Lang/DE	Analysis & Trig/ Precalc/ AP Calc AB/ AP Calc BC/ AP Stats/DE	Physics (H)/AP Bio/AP Chem/ AP Env Science/AP Physics/DE	Economics (H)/ AP Econ/DE	Operational Cybersecurity/Cybersecurity Planning and Analysis	Elective	Elective

^{*}Students must take at least one online course as a graduation requirement.

ISTEM Scholar- Engineering Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective*
9 th	English 1 or 2 (H)	Algebra/	Physical Science/	Amer Govt(H)/	Digital Information	AP Human	World
		Geometry (H)/	Biology (H)	AP Govt	Technology/Engineering	Geo	Language
		Algebra II (H)			Tech I		
10 th	English 2 or 3(H)/Pre-	Geometry (H)/	Biology (H)/	World Hist (H)/	Engineering Tech I/II	HOPE	World
	AP English	Alg II (H)/	Chem (H)/DE Chem	AP World Hist			Language
		Analysis & Trig/					
		Precalc					
11 th	English 3 or 4(H)/AP	Algebra II (H)/	Chem(H)/DE	US Hist (H)/	Engineering Tech II/III	Elective	Elective
	Lit	Analysis & Trig/	Chem/Physics(H)	AP US Hist/			
	AP Lang/DE	Precalc/AP Calc	/DE	Dual Enroll			
		AB/					
		AP Stats/DE					
12 th	English 4(H)/ AP	Analysis & Trig/	Physics (H)/AP	Economics (H)/	Engineering Tech	Elective	Elective
	Lit/AP Lang/DE	Precalc/	Bio/AP Chem/ AP	AP Econ/DE	III/Advanced		
		AP Calc AB/	Env Science/AP		Technology		
		AP Calc BC/	Physics/DE		Applications		
		AP Stats/DE					

^{*}Students must take at least one online course as a graduation requirement.