ISTEM Technical- CSIT Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology	Tech Studies	Elective
10th	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
11th	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)
12th	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
9th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology/Digital Design I	Tech Studies	Elective
10th	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	Digital Design I/II	HOPE	Elective
11th	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	Digital Design II/III	Elective	Elective
12th	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	Digital Design III/IV	Elective	Elective

*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
9th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology/Foundations of Web Design	Tech Studies	Elective
10th	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	Foundations of Web Design/User Interface Design	HOPE	Elective
11th	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	User Interface Design/Web Scripting Fundamentals	Elective	Elective
12th	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	Web Scripting Fundamentals/Media Integration Essentials	Elective	Elective

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

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology/ Game and Sim Foundations	Tech Studies	Elective
10th	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	Game and Simulation Foundations/Game and Sim Design	HOPE	Elective
11th	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	Game and Sim Design/Game and Sim Programming	Elective	Elective
12th	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	Game and Simulation Programming/Multi-User Game and Sim Programming	Elective	Elective

*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
9th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology/Biotech I	AP Human Geo	World Language
10th	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	Biotechnology I/II	HOPE	World Language
11th	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	Biotechnology II/III	Elective	Elective
12th	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	Biotechnology III/Research	Elective	Elective

ISTEM Scholar- Cyber Security Strand Four Year Plan

	English	Math	Science	Social Studies	ISTEM	Elective	Elective
9th	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
10th	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	HOPE	World Language
11th	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
12th	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*
9th	English 1 or 2 (H)	Algebra/ Geometry (H)/ Algebra II (H)	Physical Science/ Biology (H)	Amer Govt(H)/ AP Govt	Digital Information Technology/Engineering Tech I	AP Human Geo	World Language
10th	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	Engineering Tech I/II	HOPE	World Language
11th	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	Engineering Tech II/III	Elective	Elective
12th	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	Engineering Tech III/Advanced Technology Applications	Elective	Elective

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