

24 Credit Graduation Option (28 + 1 Credits)

Air Conditioning, Refrigeration and Heating Technology

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements	
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Air Conditioning, Refrigeration & Heating Technology 1	* meets Fine/Performing/Practical Arts requirement
10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Air Conditioning, Refrigeration & Heating Technology 2	HOPE/PE to be taken online
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II / Algebra II Honors	Chemistry / Physics Honors	US History / AP US History	Air Conditioning, Refrigeration & Heating Technology 3	Air Conditioning, Refrigeration & Heating Technology 4	Air Conditioning, Refrigeration & Heating Technology 5	
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Physics	US Govt & Economics / AP US Govt & Micro Economics	Air Conditioning, Refrigeration & Heating Technology 6	Air Conditioning, Refrigeration & Heating Technology 7	Internship	

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Electricity

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements	
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Electricity 1	* meets Fine/Performing/Practical Arts requirement
10	English 2/ English 2 Honors	Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Electricity 2	
11	English 3 OR ENC 1101/ENC1102	Algebra II / Algebra II Honors	Chemistry / Physics Honors	US History / AP US History	Electricity 3	Electricity 4	Electricity 5	HOPE/PE to be taken online
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Pre Calculus / Statistics Honors OR MAT 1033 / MAC 1105*	Environmental Science / AP Physics	US Govt & Economics / AP US Govt & Micro Economics	Electricity 6	Electricity 7	Electricity 8	

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Commercial Art Technology

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements	
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Commerical Art Technology 1	* meets Fine/Performing/Practical Arts requirement

10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Environmental Science / AP Environmental Science	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Commercial Art Technology 2
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II/ Algebra II Honors	Chemistry 1 / Chemistry 1 Honors	US History / AP US History	Commercial Art Technology 3	Commercial Art Technology 4	Commercial Art Technology 5
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	AP Bio / Physics/ Physics Honors	US Govt & Economics / AP US Govt & Micro Economics	Commercial Art Technology 6	Commercial Art Technology 7	Commercial Art Technology 8

HOPE/PE to be taken online

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Robotics

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Foundations of Robotics
10	English 2/ English 2 Honors	Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Robotic Design Essentials
11	English 3 OR ENC 1101/ENC1102	Algebra II / Algebra II Honors	Chemistry / Physics Honors	US History / AP US History	Electronics Technology I	Electronics Technology II	Robotic Systems
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Pre Calculus / Statistics Honors OR MAT 1033 / MAC 1105*	Environmental Science / AP Physics	US Govt & Economics / AP US Govt & Micro Economics	Computer Science	Electronics Technology III	Robotic Applications Capstone

* meets Fine/Performing/Practical Arts requirement

HOPE/PE to be taken online

All courses tie into the capstone

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Digital Cinema Production

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Digital Cinema Production 1
10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Environmental Science / AP Environmental Science	Psychology/ AP World History	Spanish 2	Journalism (Storyboarding & Yearbook)	Digital Cinema Production 2
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II/ Algebra II Honors	Chemistry 1 / Chemistry 1 Honors	US History / AP US History	Digital Cinema Production 3	Digital Cinema Production 4	Digital Cinema Production 5
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	AP Bio / Physics/ Physics Honors	US Govt & Economics / AP US Govt & Micro Economics	Digital Cinema Production 6	Digital Cinema Production 7	Directed Study

* meets Fine/Performing/Practical Arts requirement

HOPE/PE to be taken online

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Computer System and Information Technology

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	CSIT Foundations
10	English 2/ English 2 Honors	Liberal Arts / Geometry /	Environmental Science / AP	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	CSIT System Essentials

* meets Fine/Performing/Practical Arts requirement

11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II / Algebra II Honors	Chemistry 1 / Chemistry 1 Honors	US History / AP US History	CSIT Network Systems Configuration	CSIT Network Systems Design and Administration	CSIT Cyber Security Essentials	HOPE/PE to be taken online
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	AP Bio / Physics / Physics Honors	US Govt & Economics / AP US Govt & Micro Economics	CSIT Cyber Security - Physical	Dual Enrollment PHSC STEM Stackables	Dual Enrollment PHSC STEM Stackables	

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Bio Med

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements	
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Principles of BioMedical Sciences	* meets Fine/Performing/Practical Arts requirement
10	English 2/ English 2 Honors	Geometry / Geometry Honors	Chemistry Honors	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Human Body Systems	
11	English 3 OR ENC 1101/ENC1102	Algebra II / Algebra II Honors	AP Chemistry	US History / AP US History	Medical Interventions	Biomedical Innovations	Health Science Anatomy and Physiology	HOPE/PE to be taken online
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Pre Calculus / Statistics Honors OR MAT 1033 / MAC 1105*	AP Biology	US Govt & Economics / AP US Govt & Micro Economics	Health Science Foundations	Medical Lab Assisting 3	Medical Lab Assisting 4	

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Applied Cybersecurity

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements	
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	IT Fundamentals	* meets Fine/Performing/Practical Arts requirement
10	English 2/ English 2 Honors	Geometry / Geometry Honors	Environmental Science / AP Environmental Science	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Computer and Network Security Fundamentals	
11	English 3 OR ENC 1101/ENC1102	Financial Algebra OR Algebra II / Algebra II Honors	Chemistry 1 / Chemistry 1 Honors	US History / AP US History	Cybersecurity Essentials	Operatoinal Cybersecurity	Cybersecurity Planning and Analysis	HOPE/PE to be taken online
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Pre Calculus / Statistics Honors OR MAT 1033 / MAC 1105*	AP Bio / Physics / Physics Honors	US Govt & Economics / AP US Govt & Micro Economics	Applied Cyber Security (PSAV MTC)	Applied Cyber Security (PSAV MTC)	Applied Cyber Security (PSAV MTC)	

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Welding Technology Fundamentals

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements	
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Welding Technology Fundamentals 1	* meets Fine/Performing/Practical Arts requirement
10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology/ AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Welding Technology Fundamentals 2	
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II / Algebra II Honors	Chemistry / Environmental Science	US History / AP US History	Welding Technology Fundamentals 3	Welding Technology Fundamentals 4	Welding Technology Fundamentals Capstone	HOPE/PE to be taken online

12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Chemistry	US Govt & Economics / AP US Govt & Micro Economics	Welding PHSC-Dual Enrollment	Welding PHSC-Dual Enrollment	Welding PHSC-Dual Enrollment
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*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Automotive Collision Technology

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Automotive Collision Paint and Body Assistant
10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology / AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Automotive Collision Paint and Refinishing Assistant 1
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II/ Algebra II Honors	Chemistry / Environmental Science	US History / AP US History	Automotive Collision Paint and Refinishing Assistant 2	Automotive Collision Paint and Refinishing Assistant 3	Automotive Collision Non- Structural Damage Assistant 1
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Chemistry	US Govt & Economics / AP US Govt & Micro Economics	Automotive Collision Non- Structural Damage Assistant 2	OJT / Directed Study	OJT / Directed Study

* meets Fine/Performing/Practical
Arts requirement

HOPE/PE to be taken online

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Automotive Maintenance and Light Repair

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Automotive Maintenance and Light Repair 1
10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology / AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Automotive Maintenance and Light Repair 2
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II/ Algebra II Honors	Chemistry / Environmental Science	US History / AP US History	Automotive Maintenance and Light Repair 3	Automotive Maintenance and Light Repair 4	Automotive Maintenance and Light Repair 5
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Chemistry	US Govt & Economics / AP US Govt & Micro Economics	Automotive Maintenance and Light Repair 6	OJT / Directed Study	OJT / Directed Study

* meets Fine/Performing/Practical
Arts requirement

HOPE/PE to be taken online

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Cosmetology

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1/ English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Grooming and Salon Services Core 1 (.5) / Cosmetology Nails 2 (.5)
10	English 2/ English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology / AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Cosmetology 3 (.5) / Cosmetology 4 (.5)
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II/ Algebra II Honors	Chemistry / Environmental Science	US History / AP US History	Cosmetology 4 (.5) / Cosmetology 5 (.5)	Cosmetology 5 (.5) / Cosmetology 6 (.5)	Cosmetology 6 (.5) / Cosmetology 7 (.5)

* meets Fine/Performing/Practical
Arts requirement

HOPE/PE to be taken online

12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Chemistry	US Govt & Economics / AP US Govt & Micro Economics	Cosmetology 7 (.5) / Cosmetology 8 (.5)	Cosmetology 8 (.5) / Cosmetology 9 (.5)	Cosmetology 9 (1.0)
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*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Outboard Marine Service Technology

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1 / English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Outboard Marine Service 1
10	English 2 / English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology / AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Outboard Marine Service 2
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II / Algebra II Honors	Chemistry / Environmental Science	US History / AP US History	Outboard Marine Service 3	Outboard Marine Service 4	Advanced Marine Technology 1
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Chemistry	US Govt & Economics / AP US Govt & Micro Economics	Advanced Marine Technology 2	Outboard Marine Service 5	Internship

* meets Fine/Performing/Practical
Arts requirement

HOPE/PE to be taken online

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.

Commercial Food and Culinary Arts / Professional Culinary Arts and Hospitality

Grade	English	Math	Science	Social Studies	Other Required	CTE Program Requirements	CTE Program Requirements
9	English 1 / English 1 Honors	Algebra 1 / Algebra 1 Honors	Physical Science / Biology Honors	World History / AP Human Geography	Spanish 1	*Digital Information Technology	Culinary Arts 1
10	English 2 / English 2 Honors	Liberal Arts / Geometry / Geometry Honors	Biology / Chemistry Honors	Psychology / AP World History	Spanish 2	Workplace Essentials (.5) / Workplace Technology (.5)	Culinary Arts 2
11	English 3 OR ENC 1101/ENC1102	Geometry / Liberal Arts II / Algebra II / Algebra II Honors	Chemistry / Environmental Science	US History / AP US History	Culinary Arts 3	Culinary Arts 4	Commercial Foods and Culinary Arts/Professional Culinary Arts & Hospitality (PSAV-MTC)
12	English 4 OR ENC 1101/ENC1102 OR PHSC Dual Enrollment	Algebra II / Math for College Readiness / Pre Calculus OR MAT 1033 / MAC 1105*	Environmental Science / AP Chemistry	US Govt & Economics / AP US Govt & Micro Economics	Commercial Foods and Culinary Arts/Professional Culinary Arts & Hospitality (PSAV-MTC)	Commercial Foods and Culinary Arts/Professional Culinary Arts & Hospitality (PSAV-MTC)	Commercial Foods and Culinary Arts/Professional Culinary Arts & Hospitality (PSAV-MTC)

* meets Fine/Performing/Practical
Arts requirement

HOPE/PE to be taken online

*or higher level course (placement test may be required) AP Calculus AB, Statistics Honors, AP Calculus AB, Spanish III, AP Spanish and Dual Enrollment are also available.