



2021-2022
Course Catalog

GRADUATION REQUIREMENTS

The Arizona State Board of Education establishes the requirements for graduation from high school. The minimum course of study and competence requirements are outlined in Title 7 Chapter 2 of The Arizona Administrative Code.

English.....	4 credits
Social Studies (American History, World History, Government .5, Economics .5).....	3 credits
Mathematics (Algebra 1, Geometry, Algebra 2).....	4 credits
Science.....	3 credits
Fine Art or Career and Technical Education.....	1 credit
Locally Prescribed Courses.....	7 credits
TOTAL.....	22 credits

Passing score on Civics Test
CPR Training

SCHS COURSES AT A GLANCE

English	Mathematics	Science	Social Studies	World Languages	General Electives/Career and Technical Education
English 1 S1 DRP English 1 S1	Pre-Algebra DRP Pre-Algebra	Earth and Space Sci S1 DRP Earth and Space Sci S1	History S1 World History S1	Spanish 1- Full Year Spanish 1- Full Year	ACT Test Prep DRP ACT Test Prep
English 1 S2 DRP English 1 S2	Algebra 1 S1 DRP Algebra 1 S1	Earth and Space Sci S2 DRP Earth and Space Sci S2	World History S2 World History S2	Spanish 1 S1 Spanish 1 S1	Agriculture, Food, and Natural Resources DRP Agriculture, Food, and Natural Resources
English 2 S1 DRP English 2 S1	Algebra 1 S2 DRP Algebra 1 S2	Biology S1 DRP Biology S1	U.S. History S1 DRP U.S. History S1	Spanish 1 S2 Spanish 1 S2	Animal Systems DRP Animal Systems
English 2 S2 DRP English 2 S2	Algebra 2 S1 DRP Algebra 2 S1	Biology S2 DRP Biology S2	U.S. History S2 DRP U.S. History S2	Spanish 2- Full Year DRP Spanish 2- Full Year	
English 3 S1 DRP English 3 S1	Algebra 2 S2 DRP Algebra 2 S2	Chemistry S1 DRP Chemistry S1	Government DRP Government	Spanish 2 S1 Spanish 2 S1	Art History S1 DRP Art History S1
English 3 S2 DRP English 3 S2	Geometry S1 DRP Geometry S1	Chemistry S2 DRP Chemistry S2	Economics DRP Economics	Spanish 2 S2 Spanish 2 S2	Art History S2 DRP Art History S2
English 4 S1 DRP English 4 S1	Geometry S2 DRP Geometry S2	Physics S1 DRP Physics S1		Spanish 1- Full Year Spanish 1- Full Year	Banking Services and Careers DRP Banking Services and Careers
English 4 S2 DRP English 4 S2	Pre-calculus S1 DRP Pre-calculus S1	Physics S2 DRP Physics S2		Spanish 1 S1 Spanish 1 S1	Business Law DRP Business Law
	Pre-calculus S2 DRP Pre-calculus S2	Environmental Science S1 DRP Environmental Science S1		Spanish 1 S2 Spanish 1 S2	Career Readiness 1 DRP Career Readiness 1
	Trigonometry DRP Trigonometry	Environmental Science S2 DRP Environmental Science S2		Spanish 2- Full Year Spanish 2- Full Year	Career Readiness 2 DRP Career Readiness 2
	Consumer Math S1 DRP Consumer Math S1			Spanish 2 S1 Spanish 2 S1	Careers in Allied Health DRP Careers in Allied Health
	Consumer Math S2 DRP Consumer Math S2			Spanish 2 S2 Spanish 2 S2	Careers in A/V Technology and Communications DRP Careers in A/V Technology and Communications
					Careers in Logistics Planning and Management Services DRP Careers in Logistics Planning and Management Services
					Careers in Marketing Research DRP Careers in Marketing Research

						<p>Civil War DRP Civil War</p> <p>Construction Careers DRP Construction Careers</p> <p>Corrections: Policies and Procedures DRP Corrections: Policies and Procedures</p> <p>Digital Arts DRP Digital Arts</p> <p>Engineering and Design DRP Engineering and Design</p> <p>Family and Community Services DRP Family and Community Services</p> <p>Fire and Emergency Services DRP Fire and Emergency Services</p> <p>Food Safety and Sanitation DRP Food Safety and Sanitation</p> <p>Forensic Science DRP Forensic Science</p> <p>Fundamentals of Digital Media DRP Fundamentals of Digital Media</p> <p>Fundamentals of Programming and Software Development DRP Fundamentals of Programming and Software Development</p> <p>Health DRP Health</p> <p>Intro to Information Technology DRP Intro to Information Technology</p> <p>Intro to Careers in Finance DRP Intro to Careers in Finance</p> <p>Intro to Consumer Services DRP Intro to Consumer Services</p>
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						<p>Intro to STEM DRP Intro to STEM</p> <p>Law Enforcement Field Services DRP Law Enforcement Field Services</p> <p>Legal Services DRP Legal Services</p> <p>Marketing and Sales for Tourism and Hospitality DRP Marketing and Sales for Tourism and Hospitality</p> <p>Media Studies DRP Media Studies</p> <p>Money Matters DRP Money Matters</p> <p>Music Appreciation DRP Music Appreciation</p> <p>Music Theory DRP Music Theory</p> <p>Nursing: Unlimited Possibilities and Potential DRP Nursing: Unlimited Possibilities and Potential</p> <p>Office 2013 Application I Microsoft DRP Office 2013 Application I Microsoft</p> <p>Personal and Family Living DRP Personal and Family Living</p> <p>Personal Care Services DRP Personal Care Services</p> <p>Personal Financial Literacy DRP Personal Financial Literacy</p> <p>Physical Education DRP Physical Education</p> <p>Physical Fitness DRP Physical Fitness</p>
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						<p>Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors DRP Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors</p> <p>Planning Meetings and Special Events DRP Planning Meetings and Special Events</p> <p>Plant Systems DRP Plant Systems</p> <p>Principles of Business and Finance DRP Principles of Business and Finance</p> <p>Psychology DRP Psychology</p> <p>Public Health/Big Picture DRP Public Health/Big Picture</p> <p>Service Learning 1 & 2 DRP Service Learning 1 & 2</p> <p>Service Learning CPR DRP Service Learning CPR</p> <p>Science and Mathematics in the Real World DRP Science and Mathematics in the Real World</p> <p>Security and Protective Services DRP Security and Protective Services</p> <p>Small Business Entrepreneurship DRP Small Business Entrepreneurship</p> <p>STEM and Problem Solving DRP STEM and Problem Solving</p> <p>Teaching and Training Careers DRP Teaching and Training Careers</p> <p>Work Study 1 & 2 DRP Work Study 1 & 2</p> <p>Workplace Readiness DRP Workplace Readiness</p>
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English

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
English 1 Semester 1	This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.	0.5	None	No	Yes	Yes
English 1 Semester 2	This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.	0.5	English 1 Semester 1	No	Yes	Yes
English 2 Semester 1	Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.	0.5	English 1	No	Yes	Yes
English 2 Semester 2	Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.	0.5	English 1 English 2 Semester 1	No	Yes	Yes
English 3 Semester 1	This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.	0.5	English 1 English 2	No	Yes	Yes

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
English 3 Semester 2	This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.	0.5	English 1 English 2 English 3 Semester 1	No	Yes	Yes
English 4 Semester 1	This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.	0.5	English 1 English 2 English 3	No	Yes	Yes
English 4 Semester 2	This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.	0.5	English 1 English 2 English 3 English 4 Semester 1	No	Yes	Yes

Mathematics

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
PRE-ALGEBRA Semester 1	This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet algebraready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study	0.5	None	No	4th Math Must be approved by Administration of Exceptional Student Services	No
PRE-ALGEBRA Semester 2	This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet algebraready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study	0.5	Pre Algebra Semester 1	No	4th Math Must be approved by Administration of Exceptional Student Services	No
ALGEBRA I Semester 1	This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.	0.5	None	No	Yes	Yes
ALGEBRA I Semester 2	This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.	0.5	Algebra 1 Semester 1	No	Yes	Yes

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
GEOMETRY Semester 1	This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.	0.5	Algebra I	No	Yes	Yes
GEOMETRY Semester 2	This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.	0.5	Geometry Semester 1	No	Yes	Yes
ALGEBRA II Semester 1	This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.	0.5	Geometry Algebra I	No	Yes	Yes

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
ALGEBRA II Semester 2	This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically	0.5	Geometry Algebra II Semester 1	No	Yes	Yes
PRECALCULUS Semester 1	With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.	0.5	Algebra I Geometry Algebra II	No	4th Math	4th Math
PRECALCULUS Semester 2	With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.	0.5	Algebra I Geometry Algebra II Precalculus Semester 1	No	4th Math	4th Math
CONSUMER MATH Semester 1	Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.	0.5	None	No	4th Math	No
CONSUMER MATH Semester 2	Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.	0.5	None	No	4th Math	No
Any courses below this line will need to be built in Odysseyware and Tyler. Please reach out to CIA team if a student is wanting to be enrolled in any of these courses						

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	TRIGONOMETRY	<p>In this one-semester course, students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications. This course ends with an introduction to the polar coordinate system, complex numbers, and DeMoivre's theorem.</p>	1	<p>Algebra I Geometry Algebra II Precalculus</p>	No	4th Math	4th Math

Science

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	BIOLOGY Semester 1	This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.	0.5	None	No	Yes	3 Years Needed
	BIOLOGY Semester 2	This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.	0.5	Biology Semester 1	No	Yes	3 Years Needed
	CHEMISTRY Semester 1	This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.	0.5	None	No	3 Credits Needed	3 Years Needed
	CHEMISTRY Semester 2	This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.	0.5	Chemistry Semester 1	No	3 Credits Needed	3 Years Needed
	EARTH AND SPACE Semester 1	Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.	0.5	None	No	3 Credits Needed	3 Years Needed
	EARTH AND SPACE Semester 2	Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.	0.5	Earth Science Semester 1	No	3 Credits Needed	3 Years Needed

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	PHYSICS Semester 1	This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.	0.5	None	No	3 Credits Needed	3 Years Needed
	PHYSICS Semester 2	This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.	0.5	Physics Semester 1	No	3 Credits Needed	3 Years Needed
	ENVIRONMENTAL SCIENCE Semester 1	Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.	0.5	None	No	3 Credits Needed	3 Years Needed
	ENVIRONMENTAL SCIENCE Semester 2	Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.	0.5	Environmental Science Semester 1	No	3 Credits Needed	3 Years Needed

Social Studies

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	U.S. HISTORY Semester 1	U.S. History I is a yearlong course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.	0.5	None	No	Yes	2 Years Needed
	U.S. HISTORY Semester 2	U.S. History I is a yearlong course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.	0.5	U.S. History Semester 1	No	Yes	2 Years Needed
	WORLD HISTORY Semester 1	This year long course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.	0.5	None	No	Yes	2 Years Needed
	WORLD HISTORY Semester 2	This year long course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.	0.5	World History Semester 1	No	Yes	2 Years Needed

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	GOVERNMENT	This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.	0.5	None	No	Yes	2 Years Needed
	ECONOMICS	Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.	0.5	None	No	Yes	2 Years Needed

World Languages

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	FRENCH I Semester 1	Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.	0.5	None	.5 for a full year	7 Electives Needed	2 Years Needed
	FRENCH I Semester 2	Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.	0.5	French I Semester 1	.5 for a full year	7 Electives Needed	2 Years Needed
	SPANISH I	Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.	1	None	0.5	7 Electives Needed	2 Years Needed
	SPANISH I Semester 1	Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.	0.5	None	.5 for a full year	7 Electives Needed	2 Years Needed
	SPANISH I Semester 2	Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.	0.5	Spanish Semester 1	.5 for a full year	7 Electives Needed	2 Years Needed
	SPANISH II Semester 1	In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.	0.5	None	.5 for a full year	7 Electives Needed	2 Years Needed
	SPANISH II Semester 2	In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.	0.5	Spanish II Semester 1	.5 for a full year	7 Electives Needed	2 Years Needed

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	FRENCH 1	Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.	1	None	0.5	7 Electives Needed	2 Years Needed
	FRENCH II	Students continue their introduction to French in this secondyear, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammarconcept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Frenchspeaking areas across the globe, and assessments.	1	French I	0.5	7 Electives Needed	2 Years Needed
	FRENCH II Semester 1	Students continue their introduction to French in this secondyear, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammarconcept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Frenchspeaking areas across the globe, and assessments.	0.5	None	.5 for a full year	7 Electives Needed	2 Years Needed
	FRENCH II Semester 2	Students continue their introduction to French in this secondyear, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammarconcept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Frenchspeaking areas across the globe, and assessments.	0.5	French II Semester 1	.5 for a full year	7 Electives Needed	2 Years Needed
	SPANISH II	In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.	1	Spanish I	0.5	7 Electives Needed	2 Years Needed

and Technical Education

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
Animal Systems	<p>The role of animals in civilization has an ancient history, and they are no less prominent in today's society. For example, pigs were domesticated in China as long as 10,000 years ago and are still vital to our lifestyle today. But we know that pigs are also intelligent beings. What are their preferences for habitat and treatment, and what are their social and reproductive habits?</p> <p>Animals today are used for clothing, food, transportation, agriculture, herding, companionship, guide assistance, and crime fighting, and research continues to reveal new uses. As our scientific understanding of animal systems grows, so do our best practices, ethical considerations, and research applications. How mankind treats animals impacts their well-being and productivity.</p> <p>The course provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, and innovations in food production.</p> <p>Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. How the research translates to management practices is a vital area of study and discussion.</p>	0.5	None	No	7 Electives Needed	No
ACT Test Prep	After this course, you will have all the information you need to register, study for, and hopefully do well on the ACT.	0.5	None	No	7 Electives Needed	No
ART HISTORY I Semester 1	Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.	0.5	None	No	7 Electives Needed	1 Year of Fine Art or CTE Needed
ART HISTORY I Semester 2	Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.	0.5	Art History Semester 1	No	7 Electives Needed	1 Year of Fine Art or CTE Needed
Career Readiness 1	The Career Explorations I course is designed to give students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving human-related services. Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. (Career Management, Hospitality and Tourism, Human Services and Consumer Services)	1	None	.5 for Career Readiness	7 Electives Needed	No
Career Readiness 2	The Career Explorations II course is designed to give students an opportunity to explore various CTE subjects. Objectives: Identify the basic components of a computer system and its use within a networking/communications environment. Discuss the history, development, and use of the Internet and mobile computing technology in business and society. Explore systems design and implementation. State the purpose of a computer network and explain the role of network hardware in achieving that purpose. Identify the advancement of agriculture to the present day. *Explain sustainable agriculture and its impact on society. Understand the STEM field along with the concepts, theories, practical applications, and STEM careers.	1	None	.5 for Career Readiness	7 Electives Needed	No

General Electives/Career

Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
Careers in Allied Health	In Careers in Allied Health, the focus on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. We will look at things like the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day. Then, within each job group, we will explore important aspects that are applicable to the entire field of allied health, such as behaving ethically, working as a team, keeping patients safe and free from infections and germs, honoring diverse needs of diverse patients, and following laws and policies.	0.5	None	No	7 Electives Needed	No
Careers in A/V Technology and Communications	This introductory course provides comprehensive information on five separate areas of arts and communications as potential educational and career pathways. Students who are interested in careers across a broad spectrum of professional positions, including fine artist, telecommunications administrator, magazine editor, broadcast journalist, or computer graphics artist, will gain useful perspective on industry terminology, technology, work environment, job outlook, and guiding principles.	0.5	None	No	7 Electives Needed	No
Civil War	You are about to embark on the fascinating history of the Civil War. It is a story of human choices that linked the past to the present and influenced the future. It is a drama of how one nation changed through times of conflict and cooperation. It is a tale of two children (the North and South) living under the same roof (The United States) and how they disagreed over the issues of states' rights and slavery.	0.5	None	No	7 Electives Needed	No
Corrections: Policies and Procedures	Corrections is one of the three branches of the Criminal Justice System (CJS) in the United States. All three branches employ personnel who are authorized to uphold and enforce the law and are required to operate under the rule of law. Each branch works as part of the entire system to maintain the public safety and well-being and bring criminals to justice. Corrections facilities and programs are run by a complex system of policies and procedures, which uphold local, state, and federal laws. This course gives students an introductory, yet thorough view of many aspects of corrections operations. Students receive historical and legal background information as they study how prisons and prisoners have evolved into correctional facilities and programs for offenders. In this course the duties responsibilities, conduct, training, and special certification possibilities for corrections staff are explored. Many aspects of procedures in corrections are reviewed, giving students an in-depth look at what a variety of careers in this growing field encompass and require.	0.5	None	.25 for CTE	7 Electives Needed	1 Year of Fine Art or CTE Needed
Digital Arts	Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography. Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.	0.5	None	No	7 Electives Needed	1 Year of Fine Art or CTE Needed
Fire and Emergency Services	Emergency and fire-management services are essential infrastructure components of a community. They provide a resource for dealing with numerous types of emergencies, including fires, motor vehicle, and industrial accidents, and medical emergencies. In addition, these services provide fire prevention and community-outreach programs. This course provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency- and fire-management field are also explored. Students will understand the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. Finally, the course also provides students with an overview of large-scale emergency incidents that overwhelm local agencies. Various preparedness plans are discussed. In the end, students will have been exposed to the typical characteristics and framework of modern emergency- and fire-management organizations and will have a better understanding of a career in this field.	0.5	None	.25 for CTE	7 Electives Needed	1 Year of Fine Art or CTE Needed
Food Safety and Sanitation	This comprehensive course will cover the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. The course will provide a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this c	0.5	None	No	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Forensic Science	<p>This course is the overview of modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Modern-day forensic science and legal professions have come into being thanks to the contribution of science and legal professions seeking ways to study crime scenes and criminal activities in an effort to stop crime. Of particular interest in this course are the various applications of medicine in the field of forensic science. This course identifies science concepts and critical thinking in the area of forensic science. Following the presentation of the concepts, students are encouraged to conduct online research exploring examples and applying the concepts just learned. Links to case studies and interactive learning tools are supplied along with high-quality research sites. Projects are assigned throughout the course that allow students to actively apply the information just learned. These projects include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices. Secondary school students who complete this course will have gained an awareness of the diversity of careers available in the forensic field. In addition, attention is drawn to many similar careers in medicine and computer science. Included in this overview of careers is the consideration of job descriptions and availability, educational and training requirements, licensing and certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices in regard to the forensic and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work.</p>	0.5	None	No	7 Electives Needed	No
	Fundamentals of Digital Media	<p>This course gives an overview of the different types of digital media and how they are used in the world today. Students examine the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces a number of different career paths that relate to digital media.</p> <p>Students will examine some tools used to create digital media and discuss best practices in the creating of digital media. This includes an overview of the process used to create new media pieces as well as the basics concepts of project management.</p> <p>In the course, students will examine the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students will review ethics and laws that impact digital media use or creation.</p>	0.5	None	No	7 Electives Needed	No
	Health	<p>Health Education is a health science elective course that introduces students to what good health is, why good health is important, and what students should do to achieve good health.</p>	0.5	None	No	7 Electives Needed	No
	Introduction to Information Technology	<p>In this course, we introduce students to the knowledge base and technical skills that will help them to successfully compete for jobs within the Information Technology Career Cluster. Lessons are structured so that students learn and then demonstrate not only critical assessment and analytic skills, but also interpersonal skills that are valued so highly among IT employers. We explore a range of career tracks that include network engineers, application/programming developers, and systems analysts. These career paths are described in depth, discussing typical job responsibilities, educational and licensure requirements, working conditions, and job outlooks. Our lessons help students place the evolution of technology and job opportunities in context so that they will understand their important role in furthering its development. We believe that the most successful IT professionals combine technical know-how with leadership ability. To this end, students learn that their acquired expertise comes with the responsibility to represent themselves and the companies they work for within the highest legal and ethical standards.</p>	0.5	None	No	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Law Enforcement Field Services	Law Enforcement Field Services Course Overview The Introduction to Law Enforcement Services course will introduce students to the field of law enforcement and the local, county, state, and federal laws that law enforcement personnel are sworn to uphold. The student will also gain an understanding of the career options available in this field and the skills, education, and background experience needed to succeed in these careers. Students will learn about the evolution of the role of law enforcement in the United States and the interplay between individual freedoms and the government's need to protect the country. They will also learn about key changes affecting law enforcement following the September 11, 2001, terrorist attacks, including the creation of new laws, the restructuring of many departments within the federal government, and the creation of the Department of Homeland Security. Students will learn about the interaction between local, county, state, and federal law enforcement agencies. The lessons will emphasize the importance of interagency communication and information sharing. Students will learn about the technological advances and new federal programs that aid cooperation between agencies. Students will also learn about the types of crime that are commonly committed and the procedures, evidence collection techniques, and technological advances that law enforcement personnel use to investigate them. Students will learn how the development of computers and the Internet has changed the way many crimes are committed. They will also learn how investigators address the resulting increased globalization of criminal activity.	0.5	None	.25 for CTE	7 Electives Needed	1 Year of Fine Art or CTE Needed
	Money Matters	Students will explore global economics, and the impact of the free enterprise system on business and consumers. Students will learn about their financial options and goal-setting based on existing and projected economic indicators. Investments, income taxes, asset planning will also be investigated, as will risk management, and retirement and estate planning.	0.5	None	No	7 Electives Needed	No
	Music Appreciation	Students will build a strong foundation of knowledge focused on basic musical elements and the development and growth of classical music, and will acquire a greater appreciation of music. Additionally, students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments, learn the names and backgrounds of several famous musical composers, and learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music.	0.5	None	No	7 Electives Needed	1 Year of Fine Art or CTE Needed
	Music Theory	Students will explore the nature of music, integrating the key concepts of rhythm and meter, written music notation, the structure of various scale types, interval qualities, melody and harmony, the building of chords, and transposition. Throughout the series of assignments, ear training exercises are interspersed with the bones of composition technique, building in students the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well. This highly interactive course culminates in the students producing original compositions, which while based on standard notation, demonstrate facets of personal expression. As the students' ability to perform increases in the future, they will better understand music and therefore better demonstrate its intrinsic communication of emotion and ideas.	0.5	None	No	7 Electives Needed	1 Year of Fine Art or CTE Needed
	Personal and Family Living	This semester-long high school elective takes students on an interactive exploration of the challenges they may face as they transition into adulthood, including constructive conflict resolution, nutrition and health, building healthy families, financial responsibility, and long-term employment.	0.5	None	No	7 Electives Needed	No
	Personal Financial Literacy	Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.	0.5	None	No	7 Electives Needed	No
	Physical Education	Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included. Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is in corporation of activity into their daily lives and the gain of lifelong healthy fitness habits. Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.	0.5	None	No	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Physical Fitness	Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long-term exercise program. As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals.	0.5	None	No	7 Electives Needed	No
	Service Learning 1	The Service Learning Program is designed to allow students to earn graduation credit for real-world experience by volunteering at a community service based program/event/venue during the academic school year. The Service Learning Program provides eligible Student Choice High School students an opportunity to meet their academic requirements for graduation while gaining valuable volunteer experience. Through this volunteer experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace, and in life. Students participating in this program will continue to complete their academic classes as assigned for graduation requirements.	1	None	.5 for Service Learning	7 Electives Needed	No
	Service Learning 2	The Service Learning Program is designed to allow students to earn graduation credit for real-world experience by volunteering at a community service based program/event/venue during the academic school year. The Service Learning Program provides eligible Student Choice High School students an opportunity to meet their academic requirements for graduation while gaining valuable volunteer experience. Through this volunteer experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace, and in life. Students participating in this program will continue to complete their academic classes as assigned for graduation requirements.	1	Service Learning 1	.5 for Service Learning	7 Electives Needed	No
	Service Learning CPR	The Service Learning CPR course is designed to allow students to earn graduation credit for real-world experience by gaining knowledge through an online CPR training program during the academic school year. The Service Learning CPR course provides eligible Student Choice High School students an opportunity to meet their academic requirements for graduation while gaining valuable training experience. Through this training experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace, and in life. Students participating in this training will continue to complete their academic classes as assigned for graduation requirements. Students who do not abide by the expectations of the Service Learning CPR course may not receive credit.	1	None	.5 for Service Learning	7 Electives Needed	No
	Work Study 1	The Work Study program is designed to allow students to earn graduation credit for real-world experience by working at a part-time job during the academic school year. The Work Study Program provides eligible Student Choice High School students an opportunity to meet their academic requirements for graduation while gaining valuable work experience. Through this employment experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace, and in life. Students participating in this program will continue to complete their academic classes as assigned for graduation requirements.	1	None	.5 for Work Study	7 Electives Needed	No
	Work Study 2	The Work Study program is designed to allow students to earn graduation credit for real-world experience by working at a part-time job during the academic school year. The Work Study Program provides eligible Student Choice High School students an opportunity to meet their academic requirements for graduation while gaining valuable work experience. Through this employment experience, students will build the knowledge, skills and self-confidence to be successful in higher education, in the workplace, and in life. Students participating in this program will continue to complete their academic classes as assigned for graduation requirements.	1	Work Study 1	.5 for Work Study	7 Electives Needed	No
	Workplace Readiness	Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.	1	None	.5 for Workplace Readiness	7 Electives Needed	No
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	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Agriculture, Food, and Natural Resources	<p>This semester-length high school elective introduces students to the basic scientific principles of Agriculture and Natural Resources. Students will be recognizing and researching plant systems, animal systems, government policy, "green" technologies, agribusiness principles, and sustainability systems.</p> <p>In this course, students will apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students will also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Communicating the impact of "green" and sustainability principles on agriculture, food, and natural resource systems will also be taught through the course, and students will learn to recognize the social, health, environmental, and economic costs and benefits of renewable energy production (e.g., solar, wind, and biofuels) in comparison to non-renewable energies (e.g., coal, oil, and natural gas).</p> <p>Analyzing energy usage, renewable energy options, and renewable materials options to promote sustainable practices across AFNR will also be part of the course, and students will learn to use "green" technologies and sustainability practices to maintain safe and healthful working environments that sustain the natural environment and promote well-being in the AFNR workplaces. Students will also demonstrate an understanding of "green" and sustainability trends that are influencing processes and markets in AFNR.</p> <p>Finally, students will apply adaptive ecosystem management to a common pool resource (e.g., an irrigation system or fishing grounds) problem in a manner that addresses ecological (data, models, concepts, understanding, and scientific responsibilities), socioeconomic (values, interests, information, assets, private sector responsibilities), and institutional (law, policies, authority, assets, public sector responsibilities) contexts.</p>	0.5	None	.25 for CTE	7 Electives Needed	No
	Banking Services and Careers	<p>The exchange of money in the United States is generally managed with the services of banks and other financial institutions, whose reputations depend greatly on customer satisfaction and trust. Many of the products we use daily, like checking and savings accounts, debit cards, credit cards, and loans, are the backbone of the banking industry. This course will provide an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students will explore career paths and the required training or higher education necessary and will gain an understanding of the basic functions of customer transactions (i.e., setting up an account, processing a loan, or establishing a business), cash drawer activity, check collection processes, and other customer service-related transactions. This course will also discuss how technology has changed banking in the 21st century. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans.</p> <p>This course will focus on the specific skills related to banking and related services. In addition, you will explore career paths and the required training or higher education preparation necessary to obtain a career in banking and related services. Also, you will gain an understanding of the basic functions of customer transactions, cash drawer activity, check collection processes, and other customer service-related transactions. This course will also discuss how technology has changed the banking and related services industry. Finally, this course will provide an overview of the technical and people skills necessary to aid consumers with setting up an account, processing a loan, or establishing a business.</p>	0.5	None	No	7 Electives Needed	No
	Business Law	<p>This course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students will then be introduced to the types of businesses that can be created to engage in commerce as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated will also be reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts that can affect business will be discussed to get a better sense of what it means to "go global" with a business.</p>	0.5	None	No	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Careers in Logistics Planning and Management Services	This course discusses careers in Logistics Planning and Management Services and provides students with the history of logistics and recent advances in the field. Logistics is a high-growth industry and is a stable career choice. There is something for every career-seeker, ability, and experience level. The objective of this course is to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field.	0.5	None	No	7 Electives Needed	No
	Careers in Marketing Research	After completing this course, students will have a fundamental understanding of the principles of marketing. They will be able to explain the marketing process, marketing strategic planning, the marketing environment, and the trends, opportunities, and challenges in the marketing world today.	0.5	None	.25 for CTE	7 Electives Needed	No
	Construction Careers	This course in Construction Technology introduces students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students will learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process. Many lessons present information on green building techniques and concepts that are becoming a standard part of the construction industry. Safety practices are emphasized in several lessons because construction is one of the most dangerous industries; students will learn that there is no way to be successful in construction without taking such issues seriously. Toward this end, the lessons also explore regulatory agencies and guidelines established for protecting not only construction workers but also the occupants of a building.	0.5	None	.25 for CTE	7 Electives Needed	No
	Engineering and Design	Engineering and Design is part of the STEM (Science, Technology, Engineering, and Mathematics) education and career path. By building real-world problem-solving and critical thinking skills, students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students will also address how fluid power is used by engineers to make difficult maneuvers easier, increasing efficiency and minimizing effects on the environment. Students then identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.	0.5	None	.25 for CTE	7 Electives Needed	No
	Family and Community Services	This course introduces applications within professions related to Family and Community Services. You will identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. You will develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. You will also complete a variety of projects to apply your skills and knowledge. The course begins by introducing you to Family and Community Services, associated careers, and general requirements. The first unit requires you to investigate the skills required for many professions, including effective communication and critical thinking. The remaining units are divided among career fields. Each chapter begins with a lesson that discusses the general role of the professionals, their required skills and knowledge, educational requirements, employment opportunities, and salaries.	0.5	None	No	7 Electives Needed	No
	Fundamentals of Programming and Software Development	This course will provide students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations. Students will learn details about core concepts in programming using Java, including writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, and program logic tools and models. They will learn the function of key program techniques including if statements, looping, and arrays. They will also learn about web development using HTML and drag-and-drop development of user interfaces in an Integrated Development environment. Students will also learn about the Software Development Life Cycle and the different variations used to create software. They will learn about different programming languages and paradigms. They will learn about the importance of usability and usercentered design processes. Students will also learn about careers in the software industry, the education and skills required to work in the industry, and related career resources. Finally, the capstone project will allow students to explore and state opinions on key issues and trends impacting the software industry, and to learn about the experience of working in the industry.	0.5	None	.25 for CTE	7 Electives Needed	No
	Intro to Careers in Finance	Introduction to Careers in Finance course provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers.	0.5	None	.25 for CTE	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Intro to Consumer Services	This course introduces applications within professions related to Family and Community Services. You will identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. You will develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. You will also complete a variety of projects to apply your skills and knowledge. The course begins by introducing you to Family and Community Services, associated careers, and general requirements. The first unit requires you to investigate the skills required for many professions, including effective communication and critical thinking. The remaining units are divided among career fields. Each chapter begins with a lesson that discusses the general role of the professionals, their required skills and knowledge, educational requirements, employment opportunities, and salaries.	0.5	None	No	7 Electives Needed	No
	Intro to STEM	This course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students will be introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students will explore some of the great discoveries and innovations in STEM and review and analyze some of the world's problems that still exist today. Students are introduced to several computer applications used to analyze and present technical or scientific information. They will also gain a higher understanding of the uses for images and measurement in everyday life. Finally, students will explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students will have the opportunity to discover their strengths through practical applications and awareness of the various STEM careers.	0.5	None	No	7 Electives Needed	No
	Legal Services	The Legal Services course will provide students with an overview of the system of laws in the United States and the practice areas and career options in the field. Students will learn about how the legal system operates to control how society punishes those who commit crimes and settles disputes, as well as how criminal and civil cases reach court and are resolved. They will learn about the courtroom and the basics of a typical court case. Students will learn about constitutional rights and legal safeguards, as well as how technology has changed the practice of law. They will also learn about legal education and careers in law for attorneys and non-attorneys with an interest in the field.	0.5	None	No	7 Electives Needed	No
	Marketing and Sales for Tourism and Hospitality	Marketing and Sales for Tourism and Hospitality Course Overview This course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students will be introduced to marketing theory and application of the basic principles of marketing as applied in hospitality and tourism. The relationship between marketing and other functions such as advertising, sales techniques, and public relations to maximize profits in a hospitality organization is addressed. Students will have an opportunity to explore this multi-faceted world, identifying multiple career paths and opportunities.	0.5	None	.25 for CTE	7 Electives Needed	No
	Media Studies	This course is part of a worldwide educational movement called media literacy. The goal of the media literacy movement is to educate people about how the media impacts both individuals and society. Students will examine media such as magazines, the Internet, video games, and movies. They'll learn the kinds of strategies that advertisers use to persuade people to buy products. They'll also explore how news broadcasters choose which stories to air. Lessons and projects encourage students to examine ways in which media helps shape our culture and the ways in which our culture shapes the media. While many media literacy courses focus upon learning how to make media, this one will focus exclusively on analyzing the media.	0.5	None	No	7 Electives Needed	No
	Nursing: Unlimited Possibilities and Potential	This course provides students opportunities to compare and contrast the various academic and clinical training pathways to an entry-level position in nursing and to explore the growing number of opportunities for professional advancement given the proper preparation and experience. In this course, students will have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the important changes proposed in the education and ongoing professional development of nurses.	0.5	None	.25 for CTE	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Office 2013 Application I Microsoft	Office 2013 Applications I is a semester-length, high school elective that explores the use of application skills in Microsoft® Word®, Publisher®, and PowerPoint® 2013. Students will use these applications to design, develop, create, edit, and share business documents, publications, and presentations. This course provides key knowledge and skills in the following Microsoft Office® applications: Microsoft Word: Students are provided with an introduction to advanced skills in Microsoft Word that range from simply developing an understanding of the various uses of Word to more complex explorations of mail merge, tab stops, reference resources, and additional features available in backstage view Microsoft Publisher: Students learn to create publications, insert and edit publication items, and view, review, and share those publications. Microsoft PowerPoint: Students will learn how to create presentations, enter and modify content, modify and deliver presentations, and collaborate and share PowerPoint presentations.	0.5	None	No	7 Electives Needed	No
	Personal Care Services	This course in Personal Care Services introduces students to a variety of careers in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). The course teaches students about what each career entails and the education and training they will need to become credentialed in various career specialties. In addition, about half of the course is devoted to teaching knowledge associated with the various professions, so that students can get a feel for what they should learn and whether they would like to learn it.	0.5	None	No	7 Electives Needed	No
	Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors	This course focuses on preparation for physician-level careers, including dental, veterinary and pharmaceutical, along with a look into the Physician Assistant and alternative medicine systems. This course will also introduce the topics of diversity, and the move toward an emphasis on social and cultural skills in medicine, in addition to academic ability. These careers are usually the lead in the health care system, directing the care of their patients, whether that is through primary care, direct care, pharmaceuticals, or, if the patients happen to be animals! Generally, requiring a longer course of study and an advanced degree delineates these careers. Their programs are quite often competitive at the entry level. In this course, we will focus on the preparation for entry to practice, along with navigating the field once you are in it (working as part of a team, dealing with patients, etc.). In order to help you to best choose your career path, we will study different roles, responsibilities, settings, education needs and amounts of patient contact. We will look at things like the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day. Then, within each job group, we'll explore important aspects that are applicable to the entire health field, such as behaving ethically, keeping patients safe and free from infections and germs, and following laws and policies. This course will also focus on diversity, and the need for social and cultural skills in medicine, in addition to academic ability.	0.5	None	No	7 Electives Needed	No
	Planning Meetings and Special Events	This course is designed as an introduction to the study of planning meetings and special events. Being a meetings and special events planner is both demanding and rewarding. The Bureau of Labor Statistics projects this profession will grow by 43.7 percent between 2010 and 2020. It's not all fun and parties, though. In 2012, Career Cast ranked being an event planner as the sixth most stressful job, with soldiers and firefighters holding the top two positions. That's because a meeting coordinator is responsible for every detail of an event. Planners must know how to communicate, be empathetic, and think of their clients. It's crucial to remember that in some instances the event will be a once-in-a-lifetime occasion, so it's important to get it right.	0.5	None	No	7 Electives Needed	No
	Plant Systems	Plant Systems is a semester-length high school elective that introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students will learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented.	0.5	None	No	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Principles of Business and Finance	<p>This course will introduce students to the fundamental structure of the American economy, the complexities of the global economy, and the principles, practices, and strategies associated with starting, managing, or simply working for a business.</p> <p>Through a combination of lessons and projects, students will trace a trajectory of their potential role in the American economy as consumers, laborers, and executives. With lessons on everything from marketing to writing formal business correspondence, from the basic structures and legal definitions of business to the operations and importance of financial institutions, students will emerge from this course with a thorough introductory understanding of the business world.</p> <p>Students will perform research, conduct interviews, and write papers on various topics designed to enrich their understanding of the American business environment. They will also navigate an interactive and creative project that spans the length of the course and asks students to engage their learning, imaginations and individual career motivation with the course material.</p>	0.5	None	No	7 Electives Needed	No
	PSYCHOLOGY Semester 1	<p>This two-semester course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.</p>	0.5	None	No	7 Electives Needed	No
	PSYCHOLOGY Semester 2	<p>This two-semester course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.</p>	0.5	Psychology Semester 1	No	7 Electives Needed	No
	Public Health/Big Picture	<p>Public Health: Discovering the Big Picture in Health Care Course Overview In this course, we discuss the multiple definitions of public health and the ways that these definitions are put into practice. We explore the five core disciplines and the ways that they interact to reduce disease, injury and death in populations. By understanding the roles of public health, we are able to gain a greater appreciation for its importance and the various occupations that one could pursue within the field of public health. Unit 1 introduces the definition of public health and provides a description that allows you to differentiate public health from other health care fields. The five core disciplines and the interactions between local, state, and federal organizations are also discussed. The history of public health concludes the introductory unit. Unit 2 focuses on specific information regarding the core disciplines of behavioral science and emergency preparedness and response. Unit 3 takes a detailed look at epidemiology and biostatistics. Unit 4 relates to environmental and occupational health issues. Finally, Unit 5 describes global health and the future of public health.</p> <p>Because of public health's broad and multi-faceted nature, it is important to understand the details and the overall interactions and importance that make the field essential to modern society. There are many disciplines that work together on different levels within public health. Each public health worker contributes to the overall function of the field itself. By entering the field of public health, you will play an integral part in improving the health and lives of a large number of people. The contributions of public health to society have shaped our modern world and will continue to do so in the future.</p>	0.5	None	No	7 Electives Needed	No

	Course Name	Course Description	Course Credit	Prerequisites	CCRI	HS GRAD Req.	University Req.
	Science and Mathematics in the Real World	Science and mathematics are part of the STEM (Science, Technology, Engineering, and Mathematics) multi-dimensional strategy that can effectively sustain our twenty-first century knowledge-based economy. STEM careers provide a wide variety of opportunities to understand and address global issues. The most pressing issues of this generation include overpopulation, environmental degradation, pollution, and global warming. These are all subjects of intense and dedicated research by STEM professionals in very diverse fields. In this course, students will focus on how to apply science and mathematics concepts to the development of plans, processes, and projects that address real world problems, including sustainability and "green" technologies. This course also highlights how science and mathematics and the applications of STEM will be impacted due to the development of a greener economy. The course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, and the world of sports, and emphasizes the diversity of STEM career paths. The importance of math, critical thinking, and mastering scientific and technological skill sets is highlighted throughout. Challenging and enjoyable activities provide multiple opportunities to develop critical thinking skills and the application of the scientific method, and to work on real world problems using STEM approaches.	0.5	None	No	7 Electives Needed	No
	Security and Protective Services	This course offers an overview of the security and protective services industry. Students will understand different types of security services and how they relate to one another. They will also understand the distinction between the criminal justice system within the public sector and private security. The course begins with an introduction to the history of private security, with subsequent units focusing on a specific sector. The concluding unit focuses on the emerging challenges facing security services in the twenty-first century, including international terrorism. In addition, the course will provide information about many different careers that are available to students who are interested in security and protective services.	0.5	None	No	7 Electives Needed	No
	Small Business Entrepreneurship	This semester-long course is designed to provide the skills needed to effectively organize, develop, create, and manage your own business, while exposing you to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, you will be given the chance to see what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. You will become familiar with the traits and characteristics that are found in successful entrepreneurs, and you will see how research, planning, operations, and regulations can affect small businesses. You will learn how to develop plans for having effective business management and marketing strategies. Small Business Entrepreneurship will teach you basic principles of entrepreneurship and business ethics. You'll look at the major steps relevant to starting a new business. These steps include financing, marketing, and managing. Knowing how to analyze a business plan will help you develop one, while at the same time making it easier for you to understand the reasons businesses have to write one. Small Business Entrepreneurship is designed to give you an overview on running a business from start to finish.	0.5	None	No	7 Electives Needed	No
	STEM and Problem Solving	Science, technology, engineering, and math (STEM) are active components in the real world. This course will outline how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students will learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This course is designed to help students understand what we mean by problem solving and to help understand and develop skills and techniques to create solutions to problems. Advanced problem-solving skills are necessary in all science, technology, engineering, and math disciplines and career paths. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.	0.5	None	No	7 Electives Needed	No
	Teaching and Training Careers	This course introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high-quality.	0.5	None	No	7 Electives Needed	No