



# Center for Alternative Programs

# Course Catalog

## 2013-2014 School Year

Course Description	Credit per Quarter	Credit per Semester	Credit per Year	Required	Elective
<b>Language Arts</b>					
<b>English 9</b>	0.25	0.5	1	YES	
<i>This is a two semester course designed to meet the Michigan Merit curriculum. In it students will be introduced to the types of texts that they will be responsible for through their high school career, including narrative, classics, contemporary fiction, and nonfiction. Asking the question, "Who am I," the students interpret these texts and begin to gain an understanding of their place within society. This course is taught face to face and uses a variety of best practices including incorporating hands on and technology based lessons.</i>					
<b>E2020 English 9</b>	0.25	0.5	1	required if not taken face to face	
<i>A year-long course designed as a comprehensive 9th grade English Language Arts program, ELA 2064 provides rigorous training in the foundations of English Language Arts skills and strategies. In addition, it expands on and applies traditional concepts to modern, 21st century demands. In each themed unit, students will learn and immediately apply skills to classic and contemporary literature, expository text, drama, and poetry. Reading strategy lessons provide students with guidance and practice in techniques such as visualizing, making inferences and predictions, and recognizing organizational patterns in online and offline texts. Students will also receive hands-on training in applying the writing process, evaluating essays using the Six Traits of Effective Writing, and using MLA style and documentation. By the end of the course, students will have composed and evaluated literary, persuasive, narrative, and informative essays.</i>					

<i>Paramount to their writing skills are the grammar lessons and practice provided in every unit. Dedicated to creating effective and adaptable readers, writers, and consumers of media, e2020 has also infused the unit structure with lessons in 21st century skills, media literacy, and communication.</i>					
<b>English 10</b>	0.25	0.5	1	YES	
<i>This is a two semester course designed to meet the Michigan Merit curriculum. In it students will will extend their knowledge of the types of texts that they will be responsible for through their high school career, including narrative, classics, contemporary fiction, and nonfiction. They will begin to be able to critically analyze these texts based quality and validity. Allowing them to form opinions and take stances. It will also encourage the use of empathy and social action to enable the students to feel a sense of power inside of their world. This course is taught face to face and uses a variety of best practices including incorporating hands on and technology based lessons.</i>					
<b>E2020 English 10</b>	0.25	0.5	1	required if not taken face to face	
<i>This two-semester course focuses on preparing students for success on state exit exams. Each unit contains core lessons including skills, informational, communication, grammar, and writing lessons. The skills lessons equip students with the literary devices and terminology they will need to excel on highstakes tests. Informational lessons connect literary text to other content areas or real-life fields. In the communication lessons, students practice debate, analysis of formal speech, visual media analysis, and mass media analysis. Grammar lessons reinforce and expand on the foundations of the English language. In writing lessons, students will use the writing process to produce persuasive, descriptive, and expository essays. In addition, students will write an autobiographical narrative and compose a letter to the editor. This</i>					

<i>course features many unit topics, including literary analysis of poetry; evaluation of expository text; world literature (with a social responsibility theme); legends, epics, and myths; drama; and reading comprehension of informational text. Among other classic and contemporary texts, students will analyze Shakespeare's The Tragedy of Julius Caesar.</i>					
<b>English 11</b>	0.25	0.5	1	YES	
<i>This is a two semester course designed to meet the Michigan Merit curriculum. In it students will extend their knowledge of the types of texts that they will be responsible for through their high school career, including narrative, classics, contemporary fiction, and nonfiction. They will also be introduced to British and World literature. Using forward thinking and problem solving skills they will develop a realistic plan for their future. This course is taught face to face and uses a variety of best practices including incorporating hands on and technology based lessons.</i>					
<b>E2020 English 11</b>	0.25	0.5	1	required if not taken face to face	
<i>The focus of this two-semester course is American Literature. The course is structured chronologically by time period and literary era. Each unit contains introductory lessons that set the stage for the student to understand the background and historical events that have impacted American literary and expository texts. The topics covered include American origins (2000 BCE-1620 AD), slave narratives, Puritan style and sermons, Romanticism and Transcendentalism, Realism, the Harlem Renaissance, Modernism, and contemporary literature. Authors represented include Benjamin Franklin, Patrick Henry, Frederick Douglass, Chief Joseph, Edgar Allan Poe, Emily Dickinson, Walt Whitman, Henry David Thoreau, Nathaniel Hawthorne, Kate Chopin, Willa Cather, F. Scott Fitzgerald, Langston Hughes, Zora Neale Hurston, Martin Luther King, Jr., Amy Tan, and Judith Ortiz Cofer. To add dimension to</i>					

<i>the American literary experience, this course also contains a world literature unit featuring stories from the Middle East, India, Japan, and Argentina. Informational, communication, grammar, and writing lessons are integrated throughout the course.</i>					
<b>English 12</b>	0.25	0.5	1	YES	
<i>This is a two semester course that is designed for students reading and writing at grade level. It integrates reading, writing, listening, and speaking skills. The course presents literature in thematic units and include novels, short stories, poetry, plays, and essays. This course requires students to synthesize information and understand the past and present to plan for their future. The students should identify and apply their leadership skills and demonstrate this in their final electronic portfolio.</i>					
<b>E2020 English 12</b>	0.25	0.5	1	required if not taken face to face	
<i>This two-semester course focuses on preparing students for success on state exit exams. Each unit contains core lessons including skills, informational, communication, grammar, and writing lessons. The skills lessons equip students with the literary devices and terminology they will need to excel on highstakes tests. Informational lessons connect literary text to other content areas or real-life fields. In the communication lessons, students practice debate, analysis of formal speech, visual media analysis, and mass media analysis. Grammar lessons reinforce and expand on the foundations of the English language. In writing lessons, students will use the writing process to produce persuasive, descriptive, and expository essays. In addition, students will write an autobiographical narrative and compose a letter to the editor. This course features many unit topics, including literary analysis of poetry; evaluation of expository text; world literature (with a social responsibility theme); legends, epics, and myths; drama; and reading comprehension of informational text. Among other classic and contemporary texts, students will</i>					

<i>analyze Shakespeare's The Tragedy of Julius Caesar.</i>					
<b>Theater and Film</b>	0.25	0.5	N/A		Elective: semester long course, offered once a year
<i>This class is designed for students who are reading and writing at grade level. It integrates reading, writing, listening, speaking skills after viewing and discussing a variety of contemporary and classic films. It is organized by thematic units, and requires a final play or production to be performed in order to complete the course. A variety of essays and vocabulary assignments are required for demonstration of understanding of the content.</i>					

<b>Science</b>					
<b>Biology</b>	0.25	0.5	1	YES	
<i>This course is designed for college preparatory students covering the basic standards found in the Michigan Merit Curriculum. The curriculum standards we will be studying include organization and development of living systems, interdependence of living systems and the environment, genetics, evolution and biodiversity. The students investigate these principles to become more scientifically literate about these topics. We also investigate how these biologic concepts affect the larger community around us.</i>					
<b>E2020 Biology</b>	0.25	0.5	1	required if not taken face to face	
<i>This two-semester high school course covers an indepth view of biological science concepts. A brief section of biochemistry leads into an overview of ecology and the interactions of the environment and populations of living organisms. A comprehensive section on cellular biology and genetics exposes students to biology on a small scale that leads to the theory of evolution and the history of life on Earth. The remainder of the course explores the complexity and variety of life on Earth with sections devoted to simple organisms, plants, invertebrates, and vertebrates, as well as human biology.</i>					
<b>Chemistry</b>	0.25	0.5	1	YES	
<i>This course is a college prep course designed to cover the basic principles of chemistry found in the Michigan Merit Curriculum. The curriculum standards we study include the forms of energy, energy transfer and conservation, properties of matter and changes in matter. This course utilizes real life examples to allow the student to learn and apply these concepts. We also discuss the social implications of chemistry in society and reflect on our own experiences.</i>					
<b>E2020 Chemistry</b>	0.25	0.5	1	required if not taken face to face	
<i>This two-semester high school course covers the foundation for the composition, structure, and reactions of matter. It addresses scientific measurements, the general properties of matter, and the structure of the atoms. Also covered are the periodic table, types of bonds, and chemical equations. Other topics involve introducing the states of matter, chemical reactions, and the energy involved in chemical changes. Sections on organic chemistry are also included, as well as a brief overview of nuclear chemistry. This course requires students to have a solid foundation in math as calculations and conversions</i>					

are basic components of chemistry.					
<b>Integrated Science</b>	0.25	0.5	1	required if not taken face to face	
<i>This course is designed to cover topics in physical and earth science. The principles are based on the Michigan Merit Curriculum. The curriculum standards we study include forces and motion, forms of energy and energy transformation, earth systems and the fluid earth. Laboratory exercises provide the student with hands on experience. Inquiry, reflection, and social implications will be applied to the study of this topic.</i>					
<b>E2020 Physical Science</b>	0.25	0.5	1	required if not taken face to face	
<i>This two-semester course provides students with a thorough introduction of chemistry, physics, and astronomy. Chemistry concepts include the structure and properties of matter, the periodic table, chemical bonds, and reactions, as well as acids, bases, and solutions. An overview of motion, forces, and energy is the focus of the physics section of the course. Newton's laws of motion, work, machines, and energy are the major ideas explored. An introduction to Earth and its place in the universe completes the course.</i>					
<b>E2020 Earth Science</b>	0.25	0.5	1	required if not taken face to face	
<i>This two-semester course covers many aspects of Earth science, including an overview of the Earth's structure, rocks, minerals, and resources. A major unit on the forces that change the Earth includes lessons on plate tectonics, earthquakes, volcanoes, and erosion, concluding in a section that discusses Earth's history of change through the fossil record. A general study of oceanography explores such concepts as the sources of water, currents and climate, and the structure of the ocean environment. Atmospheric science with lessons in weather and climate are also included. A unit on space science exposes students to the interactions of the earth, moon, and sun and an overview of our solar system and the universe beyond.</i>					
<b>E2020 Physics</b>	0.25	0.5	1	required if not taken face to face	elective, if student has taken chemistry



<p><i>This upper division, two-semester high school course provides the foundation for the laws that govern the concepts of motion and energy. This course relies on the use of mathematics to represent and illustrate different phenomena, so students need to have a strong math background to be successful. Major themes on this course include mechanics, states of matter, waves and light, energy and magnetism, and modern physics.</i></p>					
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<b>Mathematics</b>					
<b>Algebra 1</b>	0.25	0.5	1	YES	
<i>This is a two semester course designed to meet the Michigan Merit curriculum. In it students will further their understanding of linear relationships and functions. They will learn how to interpret bi-variate data in real world situations as well as formal function notation. Students will begin to be able to manipulate absolute value and quadratic functions. This course is taught face to face and uses a variety of best practices including incorporating hands on and technology based lessons.</i>					
<b>E2020 Algebra 1</b>	0.25	0.5	1	required if not taken face to face	elective, if students has taken Algebra1
<i>This two-semester course provides in-depth coverage of writing, solving and graphing a variety of equations and inequalities, as well as linear systems. Functions are a central theme of the course which includes function notation, domain and range, rate of change, and transformations. Students use the properties of real numbers to explore, justify and simplify numeric and algebraic expressions, including laws of exponents, radicals and rational expressions. Lab activities provide students with opportunities to explore and discover algebraic principles on their own, often prior to the lecture. Students model and solve real world problems using algebra, functions, probability and data analysis. In the Making Connections sections, relevant, project-based learning activities provide students with a deeper understanding of the subject matter.</i>					
<b>Algebra 2</b>	0.25	0.5	1	YES	
<i>This is a two semester course designed to meet the Michigan Merit curriculum. In it students will further their understanding gained in their algebra and geometry courses. They will be introduced to exponential logarithmic functions and conic sections. These topics will begin to introduce math as a language and not simply a set of discrete symbols. This course is taught face to face and uses a variety of best practices including incorporating hands on and technology based lessons.</i>					
<b>E2020 Algebra 2</b>	0.25	0.5	1	required if not taken face to face	elective, if students has taken Algebra2
<i>This two-semester course serves as an extension of Algebra I. This course covers advanced algebraic concepts, including trigonometry, statistical analysis, permutations, and sequences and series. Students learn to manipulate and use matrices in various formats to determine data relationships and also delve into function types such as polynomial, logarithmic, quadratic,</i>					

exponential, and rational and periodic. Upon completion of Algebra II, students will have the skills needed for state standardized tests and national exit exams.					
<b>Geometry</b>	0.25	0.5	1	YES	
<i>This is a two semester course designed to meet the Michigan Merit curriculum. In it students will further their understanding of linear relationships and functions. They will learn how to interpret bi-variate data in real world situations as well as formal function notation. Students will begin to be able to manipulate absolute value and quadratic functions. This course is taught face to face and uses a variety of best practices including incorporating hands and technology based lessons.</i>					
<b>E2020 Geometry</b>	0.25	0.5	1	required if not taken face to face	elective, if students has taken Geometry
<i>This two-semester, hands-on, and lecture-based course features an introduction to geometry, including reasoning and proof and basic constructions. Triangle relationships (similarity and congruency) and quadrilaterals enable a student to further hone such concepts as surface area and volume, circles, and transformations. Trigonometry topics include tangent ratios and the Laws of Sine and Cosine. Learning strategies include writing, analyzing, and using proofs.</i>					
<b>E2020 Financial Math</b>	0.25	0.5	1	required if not taken face to face	elective, if students has taken Financial Math
<i>This two-semester course designed for high school students focuses on the applications of mathematics in personal and business settings. This course contains 15 major topics: personal financial planning, income, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, consumer credit, consumer debt, economic principles, traveling abroad, starting a business, and analyzing business data. Students apply math skills such as percents, proportions, probability, data analysis, linear systems, exponential functions and formulas to real life situations. In the Making Connections sections, relevant, project-based learning activities provide students with a deeper understanding of the subject matter.</i>					

<b>Social Studies</b>					
<b>US History</b>	0.25	0.5	1	YES	
<i>This course is a year-long chronological and topical study of U.S. History from the end of Reconstruction to the Present. Emphasis will be placed on political, social, cultural, military, reforms, and economic factors of the late 19<sup>th</sup> and 20<sup>th</sup> centuries. Students will gain and demonstrate an understanding of our institutions, historical events and individuals; how they relate to each other and their impact on the present day.</i>					
				Yes, if student didn't take course face to face	
<b>E2020 US History</b>	0.25	0.5	1		
<i>Delving into the crucial political, social, economic, and cultural events that have shaped and enriched the history of the United States, SS1109 traces the experiences and effects of important historical and political figures from the early colonial era to the 21st century. Students will explore historical events, such as the Civil War, America's westward expansion, the Great Depression, World War I, World War II, and the Cold War, and determine how each event affected the nation.</i>					
<b>E2020 World History</b>	0.25	0.5	1	YES	
<i>This two-semester high school course is aligned to the National Social Studies standards as well as to state standards and specifically addresses performance objectives focused on history, government, economics, geography, culture, and social studies skills. This course will provide students an opportunity to learn about the political, economic, and social aspects of world history, beginning with topics from prehistory and culminating in the events of the 21st Century. Students will journey through ancient river valley civilizations, classical civilizations, and into the society of the Middle Ages. Students will also explore the major revolutions and social movements that have influenced different nations and eventually spread throughout the world. During this course, students will be exposed to a variety of pressing issues that have garnered opportunities for both conflict and cooperation in the modern world.</i>					

<b>E2020 Government</b>	0.25	0.5	semester course	YES	
<i>Providing students with the opportunity to learn about the historical events, philosophers, and topical issues that helped create the democratic foundations of this nation, SS1110 will introduce students to the founding fathers and expose them to the ideas that shaped the nation. Students will identify important political leaders and trace the development and organization of federal, state, and local government. In addition, students will explain the political process and analyze the United States' role as a global, political, and economic participant. The course specifically targets philosophies and foundations of the United States Government, the organization of the branches of U.S. government, government on a state and local level, and civil liberties and laws. Full of timely and interesting content, the course will inspire students to be citizens that are more informed and equip them to understand the ways the United States compares economically and politically on a global scale.</i>					
<b>E2020 Economics</b>	0.25	0.5	semester course	YES	
<i>Presenting timely and engaging content, SS111 provides students with an understanding of the principles of economics. Interactive lessons allow students to apply the key microeconomic concepts of supply and demand as well as the role of prices as they become familiar with how markets work. This course targets important aspects of the world economy, including international trade and global economic challenges, and encourages students to apply the economic way of thinking to a variety of situations relevant to their everyday lives.</i>					

<b>Foreign Language</b>					
<b>E2020 Spanish 1</b>	0.25	0.5	1	Yes, for 2016+ graduates	
<i>This two-semester course for high schools students allows for an individualized development of the Spanish language through the study of the core grammatical structures and the vocabulary necessary for elementary communication. Spanish I also provides students with an introduction into the traditions and customs of Spanish-speaking people across the world.</i>					
<b>E2020 Spanish 2</b>	0.25	0.5	1	Yes, for 2016+ graduates	
<i>This two-semester course is designed for students who have successfully completed Spanish I. High frequency, thematic, and contextualized vocabulary is presented in each unit. Grammar is presented through structured practice and takes the student through open-ended communication. Homework Help accompanies the practice to help students achieve mastery of the concepts and real-life conversation activities are presented. Activities also encourage open communication to enable students to utilize the Spanish they have acquired. Cultural readings in the target language are presented in both text and audio format so that students are exposed to the Hispanic culture from around the world.</i>					

<b>Art</b>					
<b>E2020 Introduction to Art</b>	0.25	0.5	semester course	YES, if student didn't take face to face art	
<p><i>This one-semester course covers art appreciation and the beginning of art history. The first section covers defining art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two and three-dimensional media and techniques. The course is designed to help students appreciate art in their everyday lives. Students explore the various points of view by which people interpret works of art and learn to describe the formal elements (line, color, and shape) of a piece of art. The art history portion of the course covers art from the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.</i></p>					
<b>E2020 Art History</b>	0.25	0.5	semester course	YES, if student didn't take face to face art	
<p><i>This one-semester high school course introduces art within a historical, social, geographical, political, and religious context for understanding of art and architecture through the ages. The course is organized by chronological and historical order, and world regions. Topics include Early Medieval Art and Romanesque Art; Art in the 12th, 13th, and 14th Centuries; 15th Century Art in Europe; 16th Century Art in Italy: The Master Artists; High Renaissance and Baroque Art; World Art, which includes the Art of Asia and Art of Africa, the Americas, and the Pacific Cultures; 18th and 19th Century Art in Europe and The Americas; and concludes with a modern art unit that covers Modern Art in Europe and the Americas.</i></p>					

<b>Physical Education and Health</b>					
<b>E2020 Lifetime Fitness</b>	0.25	0.5	semester course	Yes, if student hasn't taken physical education	
<i>Exploring fitness topics such as safe exercising and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, EL2083 equips high school students with the skills they need to achieve lifetime fitness. Throughout this one-semester course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.</i>					
<b>E2020 Health</b>	0.25	0.5	semester course	YES	
<i>Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, EL2081 is a one-semester course that provides students with comprehensive information they can utilize to develop healthy attitudes and behavior patterns. Designed for high school students, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors in order to reduce risks.</i>					
<b>E2020 Psychology</b>	0.25	0.5	semester course		YES
<i>This one-semester course for high school students introduces the primary facets of psychology. The components include an introduction to the history and research of psychology, an understanding of the biological aspects of psychology, learning and cognitive development, the stages of human development, aspects of personality and individuality, the development and management of psychological disorders, and the interactions of society as it relates to psychology.</i>					
<b>Physical Education</b>					



<b>Electives</b>					
<b>E2020 Study Skills</b>	0.25	0.5	semester course		YES
<i>This one-semester course provides comprehensive study skills and strategies for high school and middle school students. Important study skills topics, including time management, note taking, online learning environment skills, and strategies for remembering key information, are taught using real-world activities.</i>					
<b>E2020 Career Skills</b>	0.25	0.5	semester course		YES
<i>Introducing upper-level high school students to the working world, EL4222 will provide knowledge and insight necessary to compete in the challenging job market of today. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop 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 will create self-assessment profiles, cover letters, and a résumé that can be used in their educational or career portfolio.</i>					
<b>E2020 Computer Applications</b>	0.25	0.5	semester course		YES
<i>This one-semester course is intended for high school students. The course is divided into four units: Word®, Excel®, PowerPoint®, and Outlook®. Lessons contain application activities designed to provide students hands-on experience with tasks such as creating flyers, brochures, schedules, presentations, and mail merge.</i>					
<b>E2020 Career Exploration</b>	0.25	0.5	semester course		YES
<i>This one-semester course for upper-level high school students introduces them to the working world. Divided into four units, the course helps students investigate careers as they apply to personal interests and abilities, develop 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. A self-assessment profile, a cover letter, and a résumé are created and can be used by students in their educational or career portfolio.</i>					
<b>E2020 Sociology</b>	0.25	0.5	semester course		YES
<i>This one-semester course for high school students addresses the fundamental concepts of sociology. The elements examined include cultural diversity and conformity, basic structures of society, individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social</i>					

<i>stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior both historically and in modern times.</i>					
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