

2018-2019 Elder High School Course Catalog

Subject	Course Name	Course #	Credits	Description	Grades
Religion	OLD TESTAMENT	0103	0.5	Guided by the teaching and tradition of the Church, students will learn about the Old Testament / Hebrew Scriptures and God's Self-Revelation through salvation history. Students will learn how the Old Testament is used in the Church: in the shared life of the community and in the lives of individuals. Students will be invited and encouraged to use the Old Testament in their prayer and to apply it to their lives.	9
Religion	NEW TESTAMENT	0117	0.5	Guided by the teaching and tradition of the Church, students will learn about the New Testament and the fullness of God's Self-Revelation, Jesus Christ. Students will learn to use the historical, literary, and theological background of biblical texts in order to come to a better understanding of God's word in the Scriptures. Through studying the Gospels, students will be invited to get to know Jesus better and to develop a deeper understanding of what it means to be Christian.	9
Religion	ECCLESIOLOGY & CHURCH HISTORY	0127	0.5	Students will learn about the Catholic understanding of the Church and its history. They will learn about the role that the Church has played in the world historically, focusing especially on major events in Church history. Students will also learn about the vital role that the Church plays in the world today. Students will be invited to see the Church as a vital community through which they can encounter the living Christ.	10
Religion	CATHOLIC SOCIAL TEACHING	0128	0.5	Students will learn about Catholic Social Teaching, seeing this body of teaching as essential to living as a faithful Catholic. Students will learn about some of the injustices present in our world. They will begin to develop skills to help them to identify injustice and to find ways to address its causes.	10

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Subject	Course Name	Course #	Credits	Description	Grades
Religion	CATHOLIC MORALITY	0159	0.5	Students will develop an internalized principled Catholic Moral value system. It will aid in understanding the role of Christian conscience and will show how to make moral decisions as a Christian and how to reflect critically on the values of society and culture in light of Catholic moral norms.	11
Religion	CATHOLIC LIFESTYLES	0169	0.5	This course strives to deepen our sense of identity as a Catholic Christians; understand the vocations of life (how Christ calls us to live out our lives) and the important commonalities and differences between them. The class will focus on developing a deeper understanding of self (identity), other people (relationships), and the commitment to a Christian life of love (vocation).	12
Religion	DEATH TO LIFE	0253	0.5	This course explores the spiritual, psychological, and physical aspects of death. Attention will be paid to the medical and biological realities associated with death, common social and religious customs related to death, and the Catholic Church's teaching on the afterlife as well as various topics and issues related to the mystery of suffering, death and the promise of eternal life.	11, 12
Religion	WORLD RELIGIONS	0279	0.5	This course will take the students on a journey through the world's greatest religions. They will explore the history, traditions, rituals, and beliefs of: Christianity, Judaism, Hinduism, Buddhism, and Islam, as well as Native American spirituality. Attention will be paid to the cultures and peoples who gave birth to these religious expressions. The student will be introduced to the stories, myths, legends, and facts from each religion's holy book.	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Religion	COMMUNITY SERVICE	0352	0.5	In this course students will be involved in helping in several activities under guidance of and with the cooperation of some outside institutions, such as a day care center, grade school (tutoring), or nursing home. This work will be done during a class period within the regular class day on Mondays, Tuesdays, Thursdays, and Fridays. For the first two weeks and on Wednesdays, classroom activities will be dedicated to learning more about service agencies and particular issues which affect many of the people they meet in their service opportunities.	11, 12
Religion	AMERICAN CATHOLIC HISTORY	0242	0.5	Students will learn about the challenges and successes of Catholics in the history of the United States. They will learn about the important contributions that American Catholics have made in the U.S. They will also learn about many American Catholics who have made significant contributions to American Catholic history.	11,12
Religion	PHILOSOPHY	0334	0.5	Students will participate in the dialogue of faith and reason by exploring topics such as the universal longing for God, various ways of understanding God, the limitations of their perspective in coming to know objective truth, and what it means to be human.	11,12
Religion	CATHOLIC THEMES IN MEDIA	0354	0.5	Through studying a variety of forms of media, students will explore Catholic religious themes, deepening their ability to employ skills of critical thinking and reflection as consumers of media. This course will cover themes such as forgiveness, resurrection, social justice, the Kingdom of God, and a sacramental worldview. Various types of media and genres will be used such as novels, short stories, memoirs, web sites, film, poetry, and artwork.	11,12
Social Science	LEADERSHIP: PERSONAL EFFECTIVENESS	0404	0.5	This course focuses on personal effectiveness. This course is open to all students. Honors Program students do not take this class.	9, 10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Social Science	LEADERSHIP SEMINAR 1 H	0414	0.5	Leadership Seminar 1 is a required course for Honors Program students in their freshman year. The course serves as an introduction to the leadership skills that will be developed through the Honors Program. The students are led through an in depth discussion of The Seven Habits of Highly Effective People. The students will complete exercises allowing for understanding and application of the principles to their lives. In addition to this work, students will learn basic leadership styles, management styles, and study leaders throughout history.	9
Social Science	LEADERSHIP SEMINAR 2 H	0424	0.5	Enrollment in this course is limited to Honors Program sophomores. The course focuses on organizational leadership.	10
Social Science	INTRODUCTION TO PSYCHOLOGY	0474	0.5	This course will treat selected subjects that are related to the general Psychology course in college. It will treat the basic subject of conditioning, learning, and all of the factors that contribute to personality development and growth. It will also consider personality and character disorders and the treatment of behavioral problems.	10, 11, 12
Social Science	AP PSYCHOLOGY	0475	1	This course serves as an in depth introduction to psychology. This history of psychology as well as basic research methods are surveyed. Course topics include biological bases for behavior, sensation, and perception, learning, cognition, developmental psychology, and other topics.	10,11,12
Social Science	COLLEGE PSYCHOLOGY -DUAL CREDIT	0476	0.5	This course is a college psychology course with dual credit offered through Thomas More College. The course serves as an in depth introduction to psychology. This history of psychology as well as basic research methods are surveyed. Course topics include biological bases for behavior, sensation, and perception, learning, cognition, developmental psychology, and other topics. An additional fee is associated with earning dual credits.	11, 12

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English	ENGLISH 1	0512	1	Basic English is structured to meet individually the needs of freshmen needing remedial work in vocabulary and reading skills. The course allows each student to work and progress at his own pace, attempting to master basic English skills.	9
English	ENGLISH 2	0532	1	Basic English II is a continuation of Basic English I in that it meets individually the needs of students still requiring remedial work in vocabulary and reading skills. The course surveys select short novels and emphasizes both reading comprehension and vocabulary development.	10
English	ENGLISH 1 CP2 CP1 ACP H	0612 0613 0614 0615	1	English I involves the study of composition, literature, grammar, and vocabulary. Specifically, students in this college preparatory course will be exposed to such areas of study as the novel, drama, poetry, paragraph structure, and multi-paragraph essays. As students study each of these areas, the effort is made to create an appreciation of the study of English and its relevance to students' lives.	9
English	ENGLISH 2 CP2 CP1 ACP H	0632 0633 0634 0635	1	English 2 involves the study of both composition and literature. Writing effective paragraphs is the main concern of composition. This is supplemented by several writing assignments in which students are asked to react creatively to literary works. Literature is studied according to genres. These include the short story, poetry, the essay, drama, and the novel.	10
English	ENGLISH 3 CP2 CP1 ACP H	0652 0653 0654 0655	1	This course surveys American Literature in the 19th and 20th centuries. The student studies all genres of literature, attempting to familiarize and prepare himself for future endeavors. In addition to the above, correct form in writing and vocabulary enrichment are emphasized, and a critical study of selected American novels is made.	11

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English	AP ENGLISH LANGUAGE & COMPOSITION	0656	1	The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Students taking this course are required to complete the AP exam for English Language and Composition. A teacher recommendation is required for this course.	11
English	ENGLISH 4 CP2 CP1 ACP H	0672 0673 0674 0675	1	English 4 attempts to provide a comprehensive survey of English literature from Beowulf to the present. This survey includes a study of the development of the English language by form as well as theme. In addition to an extensive study of Macbeth, several other plays are taken. Also, several selected classic or modern books of World Literature are studied in depth. Continuous instruction in grammar and writing skills is offered with an emphasis on vocabulary development.	12
English	AP ENGLISH LITERATURE & COMPOSITION	0676	1	**This class is comprised of superior senior English students selected by the third-year English teachers and is intended as a preparation for the Advanced Placement Examination. ** This seminar type course requires the study and practice of writing. The student learns to respond to language with increasing sensitivity and discrimination, and he develops his ability to write in various forms. Through speaking, listening, and reading, and also through the experience of his own writing, he becomes more aware of nuances in the use of language. He learns to identify an author's values and the assumptions that underlie the author's use of various rhetorical figures and devices of exposition.	12

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Subject	Course Name	Course #	Credits	Description	Grades
English	JOURNALISM	0764	0.5	<p>Students plan, write, and assemble The Purple Quill, Elder's school newspaper. The actual research, writing, typing, and re-writing of the various articles are performed as homework (3 hours per week). Class time is used to develop ideas for stories and to critique each reporter's stories for revisions. Students will learn how to produce a newspaper. Only dedicated students who love to read as well as write are encouraged to take this demanding course. Approval of the instructor is mandatory to sign up for this elective. This "college prep" course is not a substitute for the required annual English course. Student wishing to take Journalism need to seek the approval of Mr. Rogers.</p>	10, 11, 12
English	EFFECTIVE WRITING	1154	0.5	<p>This course offers the student an opportunity to enhance his writing in the areas of organization, clarity, tone, diction, and proofreading. The writing process (prewriting, drafting, revising, editing, and publishing) will be stressed. Course content will be dictated, to some degree, by student interest and needs. Pieces of a more creative nature may be taught if time permits.</p>	9, 10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
English	THE OTHER VOICE OF AMERICAN LITERATURE	1333	0.5	This course involves the study of literature written by American authors of diverse backgrounds. The literary works read in this course are usually found outside the typical canon of literature taught in American high schools. Students will read about the experiences of writers and authors from different backgrounds through novels and short stories that fall in the categories of Native American Literature, African American Literature, Asian American Literature, Hispanic American Literature, Feminist Literature, and the various literature of different religions. Students will identify and appreciate the differences and similarities between cannon American literature and the literature written by authors and writers of diverse racial, ethnic, and religious backgrounds. Students will get to engage with different perspectives that differ from their own through the literary experiences of characters and authors.	11,12
English	MYTHOLOGY	1344	0.5	In this course, students will examine the major characters, events, and themes of ancient Greek and Roman mythology through the lenses of literature, art, archaeology, and cultural anthropology.	11,12
World Language	LATIN 1	1600	1	The beginning student is taught classical Latin pronunciation as well as the basics of Latin grammar, including all six tenses of the indicative mood, all five declensions of nouns, and both adjective systems. The vocabulary and culture presented are geared toward understanding the world of Julius Caesar, which will be the student's focus in the second year.	9, 10, 11, 12
World Language	LATIN 2	1602	1	The second-year Latin course culminates in the reading of Julius Caesar's Gallic Wars. In order to prepare well for this undertaking, the student reviews his first-year work and then concentrates on second-year structures and vocabulary, as well as the geography and history of Caesar's world. In addition, special attention is given to correct pronunciation of classical prose and poetry.	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	LATIN 3 H	1655	1	The third and fourth-year Latin courses are intended for the very serious student. Each year begins with a review of Latin grammar. Vocabulary study and grammar refinements are featured throughout the year. Special attention is given to Latin composition. Each year focuses on the works of either Cicero (and the Roman political world of the 1st century B.C.) or Vergil (and the mythological and political background of the founding of Rome). Latin 3 and 4 enable the good student to "test out" of some basic World Language requirements in college.	11, 12
World Language	LATIN 4 H	1675	1	The third and fourth-year Latin courses are intended for the very serious student. Each year begins with a review of Latin grammar. Vocabulary study and grammar refinements are featured throughout the year. Special attention is given to Latin composition. Each year focuses on the works of either Cicero (and the Roman political world of the 1st century B.C.) or Vergil (and the mythological and political background of the founding of Rome). Latin 3 and 4 enable the good student to "test out" of some basic World Language requirements in college.	12
World Language	SPANISH 1	1700	1	The first-year Spanish course is an introduction to a reading and writing knowledge of the language. The student will learn accurate pronunciation and intonation of modern Spanish in realistic everyday situations. Grammatical structures will be stressed using a conceptual approach. Spanish customs, geography, and other aspects of daily life in Hispanic countries will be touched upon throughout the course. This is primarily a freshman subject. Students wishing to take this subject should have a good knowledge of English grammar.	9, 10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	SPANISH 2	1702	1	<p>This second-year Spanish course continues the student's study of the Spanish language in all aspects - reading, writing, speaking, and listening. This course will offer the student a firm foundation in grammatical usage. It will enlarge the vocabulary and increase the student's comprehension of spoken Spanish. The student will learn some basic cultural practices of the 20 Spanish-speaking countries. This course is open to all sophomores, juniors, and seniors who have approval of their Spanish 1 teacher.</p>	9, 10, 11, 12
World Language	SPANISH 3 H	1755	1	<p>The third-year Spanish course is intended for the serious student. A firm foundation in Spanish grammar is essential for success in this course. This course will provide practice in written and spoken Spanish, and an intense study of idioms, grammar, vocabulary, and culture. This course should enable the good student to "test out" of some basic World Language requirements in college.</p>	11, 12
World Language	SPANISH 4 H	1775	1	<p>The fourth-year Spanish course is intended for the serious student. A firm foundation in Spanish grammar is essential for success in this course. This course will provide practice in written and spoken Spanish. The course includes advanced grammar and vocabulary, literary and cultural studies, and weekly journal writing. This course should enable the good student to "test out" of some basic World Language requirements in college.</p>	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	AP SPANISH LANGUAGE & CULTURE	1716	1	The Advanced Placement Spanish course is intended for the serious student. In this course students will apply their knowledge of the Spanish language to acquire and discuss information about the products, practices, and perspectives of cultures in Spanish-speaking places. Covering the six thematic units, students will discover culture through communication, connections to other subject areas, and comparing to first culture. Students will regularly communicate in Spanish both through speaking and writing. At the end of the course students will take the AP Spanish Language and Culture exam. This provides students the opportunity to receive some college credit for their studies. A teacher recommendation is required for this course.	12
World Language	FRENCH 1	1800	1	The beginning student is introduced to French pronunciation and conversation in addition to reading and writing in the French language. He studies current usage and is given ample opportunity to practice speaking in class. In the French 1 course, students also study French geography, Paris monuments, music, and numerous other aspects of modern culture in France and in French speaking countries.	9, 10, 11, 12
World Language	FRENCH 2	1802	1	The second-year student completes his study of the basics of the French language in all of its various forms. There is significant growth in all language skills (speaking, reading, writing, and reading). Students study the history of France and music throughout the course. Students also have the continued opportunity to explore the products and practices of contemporary France, as well as those of other French speaking countries.	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	FRENCH 3 H	1855	1	<p>The third and fourth-year French courses are intended for the very serious student. The two areas of concentration at this level are speaking and writing French well. There is daily opportunity to speak French, and each student has frequent occasion to improve writing skills. The courses also include an intense study of idioms, composition-building words, advanced grammar and vocabulary, and literary and cultural studies. French 3 and 4 enable the good student to "test out" of some basic foreign-language requirements in college.</p>	11, 12
World Language	FRENCH 4 H	1875	1	<p>The third and fourth-year French courses are intended for the very serious student. The two areas of concentration at this level are speaking and writing French well. There is daily opportunity to speak French, and each student has frequent occasion to improve writing skills. The courses also include an intense study of idioms, composition-building words, advanced grammar and vocabulary, and literary and cultural studies. French 3 and 4 enable the good student to "test out" of some basic foreign-language requirements in college.</p>	12
World Language	AP FRENCH LANGUAGE & CULTURE	1876	1	<p>The AP French Language and Culture course is designed as a culmination of the student's high school French studies. The course is college-level. Students review, refine, and broaden their study of grammatical structures while learning new vocabulary useful to communicate in French on a variety of topics. Students gain considerable knowledge of francophone cultures and make comparisons to their own cultural experiences. Students taking this course are required to complete the AP exam for French Language and Culture. A teacher recommendation is required for this course.</p>	12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	GERMAN 1	2100	1	<p>The first-year German course is an introduction to the language with an emphasis in grammar as well as oral, listening, reading and written comprehension. It offers a firm foundation in the basic forms of the language. Videos, listening, pair and group work as well as online exercises help in understanding and learning German. A strong emphasis is placed on a fundamental vocabulary. German culture and geography will also be taught as well as the differences between everyday life in D A CH (Germany, Austria and Switzerland) and the USA. Genial Klick A1 is used and this multimedia German course for adolescents is designed according to both, the US National Standards and the Common European Framework of Reference for languages (CEFR)</p>	9, 10, 11, 12
World Language	GERMAN 2	2102	1	<p>The second year German course is a continuation of learning the language and grammar through oral, listening, reading and written comprehension. Videos, listening, pair and group work as well as online exercises help in understanding and speaking German. This course reviews the grammar which was taught in German 1 and completes all basic German grammar. Geography and culture are also taught through videos, on line research and German readers. Genial Klick A 2 is used and this multimedia German course for adolescents is designed according to both, the US National Standards and the Common European Framework of Reference for languages (CEFR).</p>	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	GERMAN 3 H	2155	1	<p>The third year German course reviews and applies the knowledge of grammar gained in the first two years. It enlarges the vocabulary and increases the comprehension of written and spoken German. We continue using videos, listening exercises, pair and group work as well as on line exercises and short stories. Genial Klick B 1 is used and this multimedia German course for adolescents is designed according to both, the US National Standards and the Common European Framework of Reference for languages (CEFR) During the third and fourth year it prepares the students to take the examinations from the German Government or Goethe Institute to obtain the "Das Deutsche Sprachdiplom" B1 Level. German magazines are employed to stay abreast of the current German scene.</p>	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
World Language	GERMAN 4 H	2175	1	<p>The fourth year German course reviews and applies the knowledge of grammar gained in the first three years. It enlarges the vocabulary and increases the comprehension of written and spoken German. We continue using pair and group work, videos, listening and on line exercises as well as short stories. Aspekte Neu B1 is used and this multimedia German course for adolescents is designed according to both, the US National Standards and the Common European Framework of Reference for languages (CEFR).</p> <p>During the fourth year it continues preparing the students to take the examinations from the German Government or Goethe Institute to obtain the “Das Deutsche Sprachdiplom” B1 Level. When approving this examinations, students wanting to study in Germany will not have to take the remedial German course and students wishing to study in the US can get a Minor in German after only 2 more years of studying since it will be recognized by the universities. German magazines are employed to stay abreast of the current German scene. This course helps the student to "test out" of some or all of his college language requirements.</p>	12
Computer Science	SOFTWARE USE	2914	0.5	<p>This semester course is intended for the student who mainly wishes to use the computer as a tool. Students will learn to use MS Office (including Word, Excel, Access, and PowerPoint), HTML and other software (with greater emphasis on Excel and Access).</p>	9, 10, 11, 12
Computer Science	3-D COMPUTER ANIMATION IN ALICE	2924	0.5	<p>This semester course offers students a taste of computer programming using a 3-D animation environment called Alice. Students build programs which manipulate objects in a virtual world using a drag-and-drop editor which prohibits syntax errors. The result is an on-screen movie or simple game. The concepts learned here will help those who choose to continue in courses using real-world languages such as Visual Basic or Java.</p>	9, 10

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Computer Science	COMPUTER SCIENCE 1 - VB	2934	0.5	This semester course begins with a general introduction to computers, followed by "hands-on" instruction in Visual Basic language programming. Students will design, code, test, debug, and document programs in science, mathematics, and business. The majority of class time is devoted to lab work. Prerequisites: enrolled in math at the ACP level or higher.	10, 11, 12
Computer Science	COMPUTER SCIENCE 2 - VB.NET	2954	0.5	This course builds on the material from course # 2934. It will cover more advanced programming techniques, web and desktop applications. Prerequisite: successful completion of course # 2934.	10, 11, 12
Computer Science	GRAPHIC DESIGN SOFTWARE USE	2974	0.5	This semester course, which satisfies the ½ credit computer requirement, is intended for students who wish to use the computer as a productivity tool with an emphasis on aesthetic visual presentation. In addition to MS Word, Excel, and PowerPoint, students will become familiar with Adobe PhotoShop, and various drawing tools.	9, 10, 11, 12
Computer Science	AP COMPUTER SCIENCE 1 - Java	2975	0.5	In this semester course, students will learn object-oriented programming in Java, with emphasis on the design and coding of programs which are not only efficient, but easy to read, modify and maintain. Topics include: control structures, classes, methods, arrays, and text files. Prerequisite: permission of the instructor. Also, students who have not taken a programming class should have at least a B+ average in a math class at the ACP level or above.	10, 11, 12
Computer Science	AP COMPUTER SCIENCE 2 - Java	2985	0.5	This semester course is intended to further prepare students for the AP Computer Science examination. Topics include: recursion, files, data structures, searching and sorting. Students will also complete a series of labs that are part of the AP curriculum. Prerequisites: Successful completion of Course #2975 and permission of the instructor.	10, 11, 12

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Fine Arts	DRAMATIC TECHNIQUES	1022	0.5	The Dramatic Techniques course is designed to develop the student's ability to communicate his ideas and the ideas of others through speeches, oral interpretations, and dramatic settings. Students will have the opportunity to see themselves in action through videotaping of their presentations as individuals and as part of a dramatic group.	9, 10, 11, 12
Fine Arts	THEATRE	1023	0.5	This course serves as an explanation to multiple concepts of Theatre. Students will study the history of theatre, genres, skills, and business of theatre productions. The course is ½ credit and fulfills part of the Fine Arts requirement. Students will not be required to participate in school dramatic productions outside of the regularly scheduled school day.	9, 10, 11, 12
Mathematics	INTEGRATED MATH 4	2571	1	Integrated Mathematics is a course for those students who need to review any of the basic operations of addition, subtraction, multiplication, and division as they apply to whole numbers, fractions, and decimals. Percents are also taught during the year. Each student begins at his own pace. After successful completion of these materials, the student is ready for Algebra I/Geometry, Part 1.	12
Mathematics	MATHEMATICAL SKILLS	2612	0.5	Mathematical Skills is a course designed for students identified as having a special need for intensive instruction in mathematics.	9
Mathematics	ALGEBRA/ GEOMETRY PT.1 CP2	2622	1	This course is designed for those students who would normally have difficulty with the standard one-year Algebra I course and the succeeding Geometry course. A student taking Algebra/Geometry, Part 1 along with Algebra/Geometry, Parts 2 & 3, in the following years will be given the same material as in the other Algebra and Geometry courses, but in gradual and easier steps.	9

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Mathematics	ALGEBRA/ GEOMETRY PT.2 CP2	2642	1	This course is designed for those students who would normally have difficulty with the standard one-year Algebra I course and the succeeding Geometry course. A student taking Algebra/Geometry, Part 1 along with Algebra/Geometry, Parts 2 & 3, in the following years will be given the same material as in the other Algebra and Geometry courses, but in gradual and easier steps.	10
Mathematics	ALGEBRA/ GEOMETRY PT.3 CP2	2662	1	This course is designed for those students who would normally have difficulty with the standard one-year Algebra I course and the succeeding Geometry course. A student taking Algebra/Geometry, Part 1 along with Algebra/Geometry, Parts 2 & 3, in the following years will be given the same material as in the other Algebra and Geometry courses, but in gradual and easier steps.	11
Mathematics	ALGEBRA 1 CP1 ACP	2713 2714	1	The purpose of this course is to gain a basic knowledge of numbers and equations and to acquire skill in using them to solve problems. It also helps one to appreciate the need for precise mathematical language. A brief review of the metric system will also be presented. It is primarily a freshman subject. A student taking this course in his sophomore, junior, or senior year must have the recommendation of his Integrated Math teacher. It is a college preparatory subject.	9, 10, 11
Mathematics	ALGEBRA 1 H	2715		Algebra 1 provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, emphasis is placed on problem solving and application principles. Topics include a review of basic arithmetic skills, solving equations and inequalities, factoring, fractions, linear and quadratic equations, functions, rational and irrational numbers, and word problems. At the honors level, the standard content is explored with greater intensity and more emphasis on analytical thinking.	9,10,11

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Mathematics	GEOMETRY/ TRIGONOMETRY CP1 ACP H	2733 2734 2735	1	All three levels will provide a $\frac{1}{2}$ credit of Geometry and a $\frac{1}{2}$ credit of Trigonometry. The course will cover the required concepts of Euclidean geometry including definitions, postulates, and theorems. Topics include angles, parallel and perpendicular lines, congruent and similar figures, polygons, circles and arcs, and the Pythagorean Theorem. In addition to including problems which serve to review Algebra 1, the process of proving theorems will be introduced. The course will also include a revised trig curriculum in addition to right triangle trig and the laws of sines and cosines.	9, 10, 11
Mathematics	ALGEBRA 2 CP2	2752	1	The course includes a thorough review of important topics covered in Algebra 1. New topics may include exponential functions and logarithms, the conic sections, sequences and series, and matrices. Some basic trigonometric concepts may be included. Emphasis is placed on both understanding and developing important algebraic skills.	12
Mathematics	ALGEBRA 2 CP1	2753	1	The course includes a brief review of important topics covered in Algebra 1. New topics may include exponential functions and logarithms, the conic sections, sequences and series, and matrices. Some basic trigonometric concepts may be included. Emphasis is placed on both understanding and developing important algebraic skills.	11, 12
Mathematics	ALGEBRA 2 ACP H	2754 2755	1	The course includes a brief review of Algebra I, followed by other math topics including exponential functions and logarithms, the conic sections, sequences and series, matrices, the Quadratic Formula, factoring, function theory, and trigonometric functions. The last part of the course will include an introduction to the concepts taught in the high school calculus course. Details about the required calculator will be given during class.	10, 11, 12

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Mathematics	PRE-CALCULUS CP1	2763	1	This course will begin with a study of linear and nonlinear relations and functions and analyses of their graphs. The second semester will follow with advanced functions that include exponential and logarithmic functions and conic sections, followed by a review of right triangle and circle trigonometry along with trigonometric identities, equations, and graphs of trig functions. The year will end with a short study of polar coordinates and vectors.	12
Mathematics	PRE-CALCULUS ACP	2774	1	This course is for students who are well-prepared for advanced mathematics and who will probably go on to take additional math courses in college.** The pacing of this course assumes that no review of second-year algebra is needed. **The course will begin with polynomial and rational functions and move into a comprehensive study of trigonometric functions, their graphs, identities, and equations briefly followed by vectors. Advanced functions and their graphs, including polar coordinates, conic sections, and exponential and logarithmic functions will be covered in the second semester. If time allows, some Discrete Mathematics and/or some simple Calculus may be introduced.	11, 12
Mathematics	HIGH SCHOOL CALCULUS H	2855	1	High School Calculus is intended for seniors and advanced juniors to be a problem-oriented approach to many of the topics found in College Calculus. The standard calculus concepts are considered less theoretically and include problem solving and applications of derivatives, integrals, and differentials. Algebra II, trigonometry, and analytical geometry are topics that are reviewed as needed. Students taking this course should have maintained a minimum 80% average in Algebra II. Each student must provide his own TI graphing calculator (may rent a calculator from Elder for the school year). More details concerning the calculator will be given during the first few weeks of class.	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Mathematics	AP CALCULUS (AB)	2875	1	College Calculus is an Advanced Placement, college level course. It is intended for those students who have excelled in their first three years of mathematics and are in the accelerated program. Those students wishing to receive college credit for this course can take the Advanced Placement test at the end of the school year. Like all Advanced Placement courses, participation in College Calculus is by faculty selection only. A student who wishes to be considered for the course must be in the accelerated math program and must have the recommendation of his Algebra II math teacher.	11, 12
Mathematics	AP CALCULUS (BC)	2885	1	This is an Advanced Placement, college level class intended for students who are very serious math students who intend to take the more difficult Advanced Placement test in Calculus. Pre-Requisite: AP Calculus (AB).	12
Mathematics	AP STATISTICS	2856	1	<p>The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. Teacher approval is required.</p>	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	ENGINEERING FOUNDATIONS -DUAL CREDIT	3020	0.5	<p>This semester-long course is offered through the U.C. College of Engineering and Applied Science and serves as an introduction to all fields of engineering.</p> <p>This course is for students who wish to apply engineering principles to “hands-on” experiments and explore mechanical, chemical and electrical systems. Students will also receive training in engineering ethics and in professional skills such as communication, teamwork, problem-solving and synthesis. Representatives from degree-programs in the College of Engineering and Applied Science will provide additional information concerning career opportunities in engineering to students. Students who register and enroll in this course with the University of Cincinnati will receive 2 credit hours through Ohio’s College Credit Plus program upon successful completion of the course. Students must pass a math placement exam demonstrating proficiency in Algebra to enroll for college credit.</p>	11,12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	ENGINEERING MODELS I -DUAL CREDIT	3090	0.5	<p>This intensive semester-long college-level course builds on Engineering Foundations and the engineering process, including problem definition, modeling, solution and evaluation. The objectives of the course are: (1) to explore the application of algebra, trigonometry, and calculus to various engineering disciplines; (2) to learn the fundamentals of programming and good programming practices and utilize these skills to solve numerical problems and create numerical algorithms with MATLAB®; (3) to develop good problem-solving skills by applying problem-solving strategies to a variety of engineering problems; and (4) to cultivate effective teamwork and communication skills through lab work. Students will utilize the basic MATLAB programming tool for exploring engineering applications, to investigate solutions to problems too complex for hand solution, and to develop an appreciation of the power and limitations of digital computation. Special attention will be given to graphical visualization of concepts and to numerical approximation techniques. The course will culminate in a design project. Students who register and enroll in this course with the</p>	11,12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	AP BIOLOGY -DUAL CREDIT	3610	1	<p>AP Biology is a course designed for the student who is interested in science as a career. This course is a rigorous and demanding college-level course with college-level expectations. AP Biology is modeled after a two-semester introductory college or university Biology course. Students will need a strong academic work ethic and routine which includes previewing/thinking about the content before it is discussed in class. AP Biology is geared toward preparing students for the AP Biology Exam. The AP Biology course is based on the following four Big Ideas: 1. The process of evolution drives the diversity and unity of life. 2. Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to attain dynamic homeostasis. 3. Living systems store, retrieve, transmit, and respond to information essential to life processes. 4. Biological systems interact, and these systems and their interactions possess complex properties. Topics covered in this course include Organic Molecules and Cells, Heredity and Evolution of Organisms, and Organismal Biology and Ecology. This course may be taken as a dual enrollment course with Mount St. Joseph University. Students must earn a "B" average to receive college credit.</p>	12
Science	PHYSICAL SCIENCE CP2	3112	1	<p>Offered to freshmen and involves a general introduction to the fields of physics and chemistry and also includes topics concerning earth science. This course is a survey of science with an emphasis on the development of laboratory skills, deductive and inductive reasoning and reading comprehension. The students will explore different topics in physical sciences such as chemical interactions, forces and motion of the earth's interior, astronomy, change through time and ecology. It is designed to help students pass the Ohio Graduation Test.</p>	9

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Subject	Course Name	Course #	Credits	Description	Grades
Science	BIOLOGY CP1 ACP H	3213 3214 3215	1	Includes the study of the properties of living matter, cell structure and function, and a survey of living plants and animals with a major emphasis on man as a functioning organism. Genetics, evolution, and ecology are also considered.	9, 10, 11, 12
Science	INTRODUCTORY BIOLOGY CP2	3332	1	Recognizes the deficiencies that some students have in language skills, especially reading; cooperates with the Reading Specialists in trying to help students improve their comprehension and study habits. This course provides a very broad approach to the concepts of biology, examining the structural and chemical basis of life. Emphasis is placed on current topics in science and understanding biological terminology. Content areas include the cell, heredity, evolution, ecology & classification of living organisms.	9, 10, 11, 12
Science	ENVIRONMENTAL EARTH SCIENCE CP1	3363	0.5	This course will cover earth science topics including geology, earth resources, erosion, and plate tectonics. Environmental issues will include soil and water quality, air pollution, global warming, and personal responsibility. Research projects will involve using the internet, library, and other outside resources.	9, 10, 11, 12
Science	ENVIRONMENTAL SCIENCE - DUAL CREDIT	3366	0.5	This course studies the natural world around us, how we humans use and abuse it, and how we can become "good stewards" of the environment. Therefore this course involves an interdisciplinary approach, combining information and principles from the natural sciences: biology, chemistry, physics, and geology; and the social sciences: economics, politics, sociology, and ethics. These and others will be used to put the environmental issues of the day into perspective in our world today. This course aims to help make students better consumers/users of our earth's natural resources.	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	BIOLOGY OF THE HUMAN - DUAL CREDIT	3396	0.5	<p>This course is primarily concerned with the study of the structure and function of the human body. This will include the studies of Anatomy, which is concerned with form/structure of the body parts and Physiology, which is the study of how the anatomy functions. These will be examined on the cellular, tissue, organ, organ system, and organism level. The maintenance of homeostasis is the overlying theme of this course. This course covers current health care issues and improves the student's communication skills in health care matters.</p>	11, 12
Science	COLLEGE BIOLOGY AP	3376	1	<p>Teaches the scientific concepts of Biology to the range and depth covered in a college-level first-year General Biology class for Biology majors. This course is offered through Elder High School in consortium with Thomas More College. The format of the course will be lectures with only a few supplemental labs. The eight major topics to be covered include:</p> <p style="padding-left: 40px;">The Chemistry of Life, The Cell, Genetics, Mechanisms of Evolution, Biological Diversity, Plant Form and Function, Animal Form and Function, and Ecology.</p> <p>This course is a college Biology course with dual credit offered through Thomas More College (3 college credit hours per semester - maximum 6/year). An additional fee is associated with earning dual credit. Prerequisite: 80+ average in Biology and Chemistry plus instructor approval.</p>	11, 12
Science	CHEMISTRY CP1	3453	1	<p style="text-align: center;">Chemistry (Non-majors)</p> <p>This course is designed to give students who are not interested in majoring in a science related field an opportunity to understand of how chemistry affects their daily life. Topics are centered on chemistry-related solutions for society and the world. The course is centered on laboratory experiences, an appreciation of chemical processes and reactions that are met through problem solving. Examples of topics are conserving resources, food composition, environmental impact, nuclear energy, health, and forensics.</p>	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	CHEMISTRY ACP H	3454 3455	1	The composition of the kinds of substances which constitute the entire physical world is determined by the kind and arrangement of atoms in the molecules of these substances. To understand their properties, basic concepts such as atomic structure, energy, and chemical reactivity are studied and investigated by discussions, demonstrations, experimentation, and technical science videos. This is a college preparatory course that is offered to sophomores, juniors, and seniors meeting the requirements. Prerequisite: Algebra I (80 average) and successful completion of Biology.	10, 11, 12
Science	PHYSICS CP1	3473	1	This first course in Physics which includes a study of the relationships of matter and energy, the forms of energy, mechanics, vibrations and waves, and sound. College, college prep, and conceptual levels are offered.	11, 12
Science	PHYSICS ACP	3474	1	This first course in Physics which includes a study of the relationships of matter and energy, the forms of energy, mechanics, vibrations and waves, and sound. College, college prep, and conceptual levels are offered. Students intending to take AP Physics 2 should take AP Physics 1.	11, 12
Science	AP PHYSICS 1	3476	1	This algebra-based course is the equivalent of a first-semester college course in algebra-based physics, but it is designed to be taught over a full academic year to enable AP students to develop deep understanding of the content and to focus on applying their knowledge through inquiry labs. Students who take this course and pass the AP Physics 2 exam may be awarded science credit from their chosen college. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. Students taking this course are required to complete the AP exam for Physics 1. A teacher recommendation is required for this course.	11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	AP PHYSICS 2	3496	1	<p>This year-long course is designed for second-year physics students who intend to major in a non-technical program in college (e.g., business, accounting, education, law, etc.). Students who take this course and pass the AP Physics 2 exam may be awarded science credit from their chosen college.</p> <p>Subjects covered will include waves and sound, electricity and magnetism, reflection and refraction of light, relativity, and nuclear physics. The course is algebra-based and does not require a familiarity with calculus principles. Students taking this course are required to complete the AP exam for Physics 2. A teacher recommendation is required for this course.</p> <p>Honors Physics is a prerequisite for this course.</p>	12
Science	AP PHYSICS C	3486	1	<p>This year-long course is designed for second-year physics students who intend to major in a scientific or technical program in college (e.g., medicine, engineering, etc.). Students who take this course and pass the AP Physics C exam may be awarded science credit from their chosen college. The course covers mechanics principles which were covered in the first-year course, but this time includes calculus principles as well. A previous or concurrent course in calculus is required.</p>	12
Science	ASTRONOMY ACP	3494	0.5	<p>A semester course in the evolution and composition of the universe. Stars and planets, galaxies, moons, comets and asteroids will be studied. The course will utilize Starry Night High School astronomy software.</p>	10, 11, 12
Science	PHYSIOLOGY CP1 ACP	3553 3554	1	<p>Offers a more detailed explanation of the structure and functions of the human body beyond those already covered in the standard biology or health courses. Healthful living habits are also included.</p> <p>Prerequisite 85 average in Biology.</p>	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Science	AP CHEMISTRY	3575	1	A second-year Chemistry course intended for students who plan to pursue careers in basic science, engineering, or the health sciences. The course will focus on topics selected from the following: stoichiometry, atomic structure, molecular structure, solutions, gas laws, equilibrium, acids and bases, chemical bonding, entropy, chemical kinetics and thermodynamics. Students will perform laboratory activities applying the theory they have learned in class. Intended to prepare the student to take the Advanced Placement Chemistry exam. Prerequisite: Honors Chemistry I or ACP Chemistry I with instructor recommendation.	11, 12
Science	MATERIALS SCIENCE CP1 H	3273 3275	1	This class is an elective lab science course open to students with an interest in extending their scientific knowledge to engineering design. Students will expand their knowledge in basic chemistry concepts of atomic structure and bonding as they explore the relationship between the chemical structure and material properties of metal, polymer, composite, and ceramic materials in a hands-on laboratory environment. Students will also connect material selection and design issues with professional ethics through engineering case studies. Students will exhibit their knowledge of materials selection and engineering design through an extended group engineering design project. Various texts, handouts and online resources will be used to enhance the learning process.	11,12
Social Studies	GEOGRAPHY	3611	0.5	Geography is offered as a half credit course to students interested in social studies. The course includes discussion of all the regions of the world beginning with a brief outline of their history. The contemporary culture of each region is discussed as well as weather and its affect on geography. In addition, students will learn about different types of maps and mapmaking.	9, 10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Social Studies	WORLD CULTURES	3612	1	This course covers the same basic material as the regular World Cultures course, but at a pace more compatible with the reading level of the students in the class. All sophomores are required to take this course. It deals with the historical as well as the sociological development of man in his society throughout the world. Emphasis is placed on the cultures as well as a way of understanding the actions of other people.	10
Social Studies	WORLD CULTURES CP2 CP1 ACP H	3632 3633 3634 3635	1	All sophomores are required to take this course. It deals with the historical as well as the sociological development of man in his society throughout the world. Emphasis is placed on the cultures as well as a way of understanding the actions of other people.	10
Social Studies	ECONOMICS -DUAL CREDIT	3680	0.5	This course is a dual-credit course offered through Mount St. Joseph University. Enrollment is limited. The course is offered in a fully-online format over 7 weeks. Students successfully completing the course earn the equivalent of a semester of high school credit as well as 3 semester hours of college credit. Enrollment in this course must be approved by the Dean of Academics.	12
Social Studies	AP WORLD HISTORY	3696	1	Students in this course must learn to view history thematically. The AP World History course is organized around five overarching themes that serve as unifying threads throughout the course, helping students to relate what is particular about each time period or society to a "big picture" of history. The themes also provide a way to organize comparisons and analyze change and continuity over time. Consequently, virtually all study of history in this class will be tied back to these themes. Students may take this course to meet the World Cultures requirement or they may take the course as an elective course. Students taking this course are required to complete the AP exam for World History. A teacher recommendation is required for this course.	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Social Studies	AMERICAN HISTORY CP2 CP1 ACP	3652 3653 3654	1	All juniors are required to take this course. All phases of the American Heritage and national growth are the basis of this course. Emphasis is placed not only on what happened in the factual history, but also on the reasons why things happened and their importance.	11
Social Studies	AMERICAN HISTORY H	3655	1	All juniors are required to take this course. All phases of the American Heritage and national growth are the basis of this course. Emphasis is placed not only on what happened in the factual history, but also on the reasons why things happened and their importance. This course is also a college American History course with dual credit offered through Xavier University. An additional fee is associated with earning dual credit.	11
Social Studies	AP UNITED STATES HISTORY	3656	1	This difficult junior class covers the same material as in the regular American History class but in more depth and scope. The course follows the rigorous standards established by the Advanced Placement Program. This course is also a college American History course with dual credit offered through Xavier University. An additional fee is associated with earning dual credit.	11
Social Studies	AMERICAN GOVERNMENT CP2 CP1 ACP H	3672 3673 3774 3675	0.5	Seniors are required to take and pass American Government and Economics. The American Government course includes political heritage, foundation of our system of government, and the structure and operation of the government at the national, state, and local levels.	12

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Subject	Course Name	Course #	Credits	Description	Grades
Social Studies	AP GOVERNMENT & POLITICS: UNITED STATES	3676	1	<p>This course includes both the study of general concepts used to interpret US politics and the analysis of specific examples. Students completing this course will know important facts pertaining to US governments and politics, understand typical patterns of political processes, analyze and interpret basic data relevant to US government and politics.</p> <p>Topics covered in this course include the Constitution, political beliefs and behaviors, political parties, interest groups, mass media, and institutions of national government. Students successfully completing the course will be prepared for the AP exam.</p>	12
Social Studies	ECONOMICS CP2 CP1 ACP H	3682 3683 3684 3685	0.5	<p>Seniors are required to take and pass American Government and Economics. The Economics course will feature the economy of the country on a national, state and local level, the factors which drive the economy, and how it applies to the citizenry.</p>	12
Social Studies	CINCINNATI HISTORY	3874	0.5	<p>This course is open to students with an 80+ average in American History. The purpose of the course is to trace American History through the city of Cincinnati, to acquaint students with the sources of information, and to provide an opportunity for independent research. Emphasis will be placed on on-site visits to persons and places of historical interest. One paper will be required for each quarter of the course.</p>	11,12
Social Studies	MODERN AMERICA AMERICAN CULTURE AND SPORTS	3785	0.5	<p>Students will examine the social and cultural history of sports in American society and the major effects that sports have had in the history of the United States. Students will analyze the place of sports in American life and sports as a metaphor for American ideas and values. Areas that sports have played a significant role include business, civil rights, media, health care, politics and gender issues. These are all areas that have drastically affected the American cultural experience.</p>	11,12

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Subject	Course Name	Course #	Credits	Description	Grades
Business	HIGH SCHOOL SPORTS MANAGEMENT	4070	0.5	This course will introduce students to the business, logistics, and marketing of a high school sports program. Students may be required to complete tasks at athletic events outside of regular school hours.	11,12
Business	BUSINESS ANALYTICS I -DUAL CREDIT	4081	0.5	<p style="text-align: center;">*Course offered at Seton*</p> <p>This semester-long College Credit Plus course is offered through the University of Cincinnati on the campus of Seton High School. This class is a business statistics course where students learn how to use Excel spreadsheets to manage and analyze data and make data-driven decisions. Topics include sorting, pivot tables, data sets, variables, distributions, probabilities, standard deviations, and making hypothesis. It is highly recommended for those students who wish to pursue a career in business, industry, information systems or analytics. Students who register and enroll in this course will receive 3 credit hours through the Lindner College of Business upon successful completion of the course. Students must pass a math placement exam demonstrating proficiency in Algebra to enroll for college credit. (Limited Enrollment)</p>	11,12
Business	BUSINESS ANALYTICS II -DUAL CREDIT	4082	0.5	<p style="text-align: center;">*Course offered at Seton*</p> <p>This semester-long College Credit Plus course is offered through the University of Cincinnati on the campus of Seton High School. In this class students apply mathematical skills learned in Business Analytics I to risk analysis, problem solving, decision making, distribution and network models. Students who register and enroll in this course will receive 3 credit hours through the Lindner College of Business upon successful completion of the course. Students must pass a math placement exam demonstrating proficiency in Algebra to enroll for college credit. (Limited Enrollment)</p>	11,12

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Subject	Course Name	Course #	Credits	Description	Grades
Business	INTRODUCTION TO SPORTS MANAGEMENT -DUAL CREDIT	4090	0.5	This course is offered as a dual credit course through Mount St. Joseph University. Enrollment is limited. The course will meet in the spring semester only and will be offered in a blended learning format with students attending course on campus for 5 weeks of the semester and completing work online for 10 weeks of the semester. Students successfully completing the course earn the equivalent of a semester of high school credit as well as 3 semester hours of college credit. Enrollment in this course must be approved by the Dean of Academics.	12
Business	ACCOUNTING	4154	1	Students learn the basics of financial accounting for proprietorships and corporations by preparing journals, ledgers, worksheets, and financial statements.	10, 11, 12
Business	PERSONAL FINANCE	4174	0.5	The goal of this course is to help students build a foundation of personal finance skills for success in their personal lives and for the business world. The content areas are as follows: Saving and Investing - Implement a diversified investment strategy that is compatible with personal goals; Credit and Debt- Maintain credit-worthiness; Financial Responsibility and Decision Making- Apply reliable information and systematic decision making to personal financial decisions; Income and Careers - Use a career plan to develop personal income potential; and Consumer Awareness, Rights and Responsibilities - Understand the power of marketing on buying decisions, including "0% APR" and "no interest" deals and ways companies compete for our money, including product positioning, advertising, brand recognition and personal selling. Examples of specific items are preparing budgets, net worth, cash flows, checks, checkbook registers, compound interest, reading stock information, 401k, IRA's, mutual funds, resumes, and interviewing.	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Business	ADVANCED ACCOUNTING H	4175	1	Advanced accounting students are given more analytical and theoretical knowledge of accounting to help prepare them for college accounting and work experience in the field. A consistent grade of 85, the recommendation of the Accounting I teacher as well as approval of the Accounting II teacher and a sincere interest in Accounting I are the prerequisites for the Accounting II course.	11, 12
Business	FINANCIAL LITERACY	4192	0.5	The goal of this course is to help students build a foundation of personal finance skills for success in their personal lives and for the business world. The content areas are as follows: Saving and Investing - Implement a diversified investment strategy that is compatible with personal goals; Credit and Debt- Maintain credit-worthiness, borrow at favorable terms, and manage debt; Financial Responsibility and Decision Making- Apply reliable information and systematic decision making to personal financial decisions; Risk Management and Insurance - Use appropriate and cost-effective risk management strategies; Income and Careers - Use a career plan to develop personal income potential; and Consumer Awareness, Rights and Responsibilities - Understand the power of marketing on buying decisions, including "0% APR" and "no interest" deals and ways companies compete for our money, including product positioning, advertising, brand recognition and personal selling. Examples of specific items are preparing budgets, net worth, cash flows, checks, checkbook registers, compound interest, reading stock information, 401k, IRA's, mutual funds, resumes, and interviewing.	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Industrial Arts	ELECTRICAL APPRENTICESHIP	5060		This course is offered in partnership with the IBEW training center. Students enrolling in this course will be working toward completion of the first year of apprenticeship with the International Brotherhood of Electrical Workers (electrician's union). These classes are offered at the IBEW training facility on Glenway Avenue. Students would attend classes at Elder for religion, English, math, and social studies. The Electrical Apprenticeship would count as 3 half-credit classes that can be taken twice each year.	11,12
Industrial Arts	INDUSTRIAL DESIGN	5643	1	The purpose of this course is to provide the student with knowledge of how design software is an essential tool of industry. In this computer-animated design course, students utilize problem solving techniques to create effective designs in a professional, simulated client-based environment. Students learn the fundamentals of using AutoCAD to explore both 2D and 3Dspace. Students will be exposed to the concept of meeting deadlines, giving design presentations and the language used in various design environments. This course is especially beneficial to students who plan to pursue a design a major/career in the following: industrial, product, automotive, architectural design.	11, 12
Industrial Arts	TECHNICAL LIFE SKILLS	6459	0.5	Learn basic skills in carpentry, plumbing, wall covering, and basic masonry with an emphasis on home maintenance.	10, 11, 12
Fine Arts	AP STUDIO ART: DRAWING	6164	0.5	The purpose of this course is to provide Elder art students with an opportunity to earn college credit for their art portfolio that they have developed over the last 2 – 3 years. Only students who are going to enroll in Art III or Art IV may apply and this class is taken in addition to their other art course. The curriculum will follow the guidelines for the Advanced Placement Art Portfolio and students in the class will enter their portfolio in May for possible college credit. Go to www.collegeboard.com/apstudents for more information.	12

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Subject	Course Name	Course #	Credits	Description	Grades
Fine Arts	FUNDAMENTALS OF ART	6250	1	<p>This course is intended for students who have a desire to create and/or expand on their previous art knowledge. Prior art experience is not necessary; however, the student should have a serious interest in art and may intend to take further art courses in the future. The course is heavily based in learning the Elements/Principles of Design as well as investigating various types of two and three-dimensional media. It serves as an introduction into the fundamentals of drawing, painting, photography, design, and printmaking techniques. This course is a prerequisite for all other fine art courses.</p>	9
Fine Arts	2D STUDIO ART I	6259	0.5	<p>This course is a concentrated study of two-dimensional art and its curriculum stresses subject matter and composition. The students will create observational drawings using traditional techniques in contour, object and figure drawing. Students will study abstract simplification, one and two-point perspective and developing the illusion of light. Students will also be exposed to various painting techniques and styles in watercolor, ink-wash and acrylics. Additional media may include printmaking, collage, assemblage, installation and digital manipulation. The course will look at the history of art as well as examine contemporary artists that address current issues. It will reinforce their knowledge of art criticism, aesthetics and the Elements/Principles of Design. Students are allowed to take this course a maximum of two times. Prerequisite: Fundamentals of Art <u>or</u> approval of the instructor.</p>	10,11,12

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Subject	Course Name	Course #	Credits	Description	Grades
Fine Arts	2D STUDIO ART II	6289	0.5	<p>Building on their previous experiences in 2D Art I and with an emphasis on studio production, this course will develop higher level thinking and skill in two-dimensional art. Students will use problem-solving techniques to create works using various media, materials, techniques and processes. Through readings, short lectures, discussions, critiques, and art-making, students will study visual culture and will see how art is beneficial to our daily lives. Students will also expand their knowledge of the Elements/Principles of design as well as achieve a basic level of comfort with the language used in a typical artist environment. Students will acquire the necessary skills in communicating effectively using conceptual language, meeting deadlines, and presenting their work in a supportive environment. Students who enroll will have taken Fundamentals of Art and at least one semester of 2D Studio Art I.</p>	11,12
Fine Arts	DIGITAL PHOTOGRAPHY	6484	0.5	<p>This course will explore the basics of digital photography including composition, motion, light and the aesthetics of the medium. We will study the history of photography and look at how it has evolved over time. We will investigate how photography has played an important role in communication, advertising, journalism and, most importantly, in the world of art. The course will have regular projects where students will be asked to think critically and create images that tell a story to the viewer. To take the course, students must have access to a digital camera or phone/device with photo capabilities. Photo editing will be introduced through a number of different software programs including Adobe Photoshop. Students will be responsible for the cost of photographic paper. (Approximately \$25 worth of materials) (There is no prerequisite for this course)</p>	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Fine Arts	AP STUDIO ART: 2-D DESIGN	6574	0.5	The purpose of this course is to provide Elder art students with an opportunity to earn college credit for their art portfolio that they have developed over the last 2 – 3 years. Only students who are going to enroll in Art III or Art IV may apply and this class is taken in addition to their other art course. The curriculum will follow the guidelines for the Advanced Placement Art Portfolio and students in the class will enter their portfolio in May for possible college credit. Go to www.collegeboard.com/apstudents for more information.	12
Fine Arts	INTRODUCTION TO CERAMICS	6810	0.5	* This course is taught at Seton* Students will learn the basics of Ceramics through various hand-building techniques. Pinch pots, coil pots, slab-building and other sculptural forms will be explored. (Limited enrollment)	11,12
Fine Arts	PRIVATE PIANO STUDY	7215		This elective music course is a private session between piano student and teacher. It is designed for students who wish to develop basic piano playing skills. The primary goal of this course is for students to gain an understanding of musical notation, learn basic music theory, develop individual playing skills, and develop effective practice techniques. No previous experience is required. It is highly recommended that students have an instrument on which to practice. Practice is expected! Private piano lessons are offered outside of the 7-bell day during lunch bells, study hall or Concert Choir. An hourly fee is required.	10,11,12

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Subject	Course Name	Course #	Credits	Description	Grades
Fine Arts	BEGINNING BAND	7600	1	This course is designed to give any student who enters Elder the opportunity of learning to play a band instrument. During the freshman year the students are taught the fundamentals and techniques that will enable them to become members of the Band at the beginning of their sophomore year. There is no restriction regarding the choice of an instrument, except in the case of drums. The student earns one full credit for a successful year of study. Students other than freshmen can take the course with the approval of the band director.	9, 10, 11, 12
Fine Arts	BAND	7601	1	This course offers the student the opportunity of performing in public or playing in private, and a variety of musical styles and modes that range from Classical to Modern. The various groups and performances include the Marching Band for football games and parades, the Pep Band for basketball games, and the Jazz Band and Concert band for the Performing Arts Series productions. Anyone interested may register with the approval of the band director.	9, 10, 11, 12
Fine Arts	BEGINNING STEEL DRUM MUSIC	7681	0.5	This course is designed to provide the students with experience in different styles of music. Students will learn the history of the steel drum and the basic skills necessary to perform on the instrument and will perform at several events. The course meets Monday, Wednesday, and Friday before school for the entire school year. Approval of the director is necessary to register. The student must also be involved in the instrumental music program at Elder.	9, 10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Fine Arts	STEEL DRUM MUSIC	7682	0.5	This course is an advanced version of Steel Drum I. The students will be expected to have a good foundation in the history and different styles of the steel drum genre. The students will have the opportunity to perform at several events. This class meets for one hour on Tuesdays and Thursdays after school for the entire year. The students will be placed in this class based on an audition. The students must also be involved in the instrumental music program at Elder.	10, 11, 12
Fine Arts	FRESHMAN CHORUS	7701	1	This course is designed to develop and guide students toward good vocal production. Students must be willing to function as a member of a club, and with sincerity as a part of the Elder Music Department. Activities include various performances throughout the area and the productions of the annual Performing Art Series concerts, plays and musicals. No prerequisites are needed, but a basic uniform is required. Classes are held five days a week in a relaxed atmosphere.	9
Fine Arts	CHORAL MUSIC	7721	1	This course is designed to develop and guide students toward good vocal production. Students must be willing to function as a member of a club, and with sincerity as a part of the Elder Music Department. Activities include various performances throughout the area and the productions of the annual Performing Art Series concerts, plays and musicals. No prerequisites are needed, but a basic uniform is required. Classes are held five days a week in a relaxed atmosphere.	10, 11, 12
Fine Arts	MUSIC THEORY 1	7864	0.5	This course will provide students with a deeper understanding of the components of music. Students will be able to comprehend and notate music by receiving both written and aural training. This course will also cover basic composition skills. The students must have at least one year of experience in either vocal or instrumental music.	10, 11, 12

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Subject	Course Name	Course #	Credits	Description	Grades
Fine Arts	HISTORY OF MUSIC	7894	0.5	This course takes a historical look at Western Classical Music. It will introduce students to the following time periods: Baroque, Classical, Romantic, and Modern. The student will learn the characteristics of each of these time periods, as well as learn about many of the most important composers of these periods, and how they have helped evolve music through the past 400 years. This course will entail lecture, discussion, and listening to pieces.	10, 11, 12
Health	HEALTH	7121	0.5	Health meets the needs of students in a modern changing world. The Health Department sees the importance of knowledge and wise decision-making as a means of solving many of the health problems of today.	9, 10, 11, 12
Health	HEALTH ON-LINE	7124	0.5	Health meets the needs of students in a modern changing world. The Health Department sees the importance of knowledge and wise decision-making as a means of solving many of the health problems of today. *This course is taught online by an instructor at Elder High School.	9,10,11,12
Health	PHYSICAL EDUCATION	7205	0.25	The Physical Education course will orientate the student to physical exercise, expose the student to competition through dual and team events, develop in the student an appreciation for the need to be physically fit, and develop a desire to remain physically fit.	9, 10, 11, 12
Study Hall	STUDY HALL - Quarter	8919	0		9
Study Hall	STUDY HALL - Semester	8949	0		9, 10, 11, 12
Study Hall	LIBRARY SCIENCE	9264	0.5	This course is for the student who would like to assist/work in the Library in place of a Study Hall period. The student will learn basic skills used while working in a library setting as well as have time to study and work on their other coursework in a very pleasant environment. Prerequisite: permission of the librarian.	9, 10, 11, 12