

2020-2021

CURRICULUM GUIDE

**TABLE OF CONTENTS**

 **TITLE PAGE**

**INTRODUCTION 3**

**FRESHMAN REQUIREMENT 4**

**THEOLOGY 4**

**ENGLISH 7**

**WORLD LANGUAGES (Other than English) 11**

**MATHEMATICS 16**

**SCIENCE 19**

**SOCIAL STUDIES 20**

**BUSINESS INFORMATION TECHNOLOGY EDUCATION 23**

**FINE ARTS 27**

**PHYSICAL EDUCATION 32**

**GENERAL ELECTIVES 38**

**PLUSS PROGRAM 49**

**CORNERSTONE INCLUSION PROGRAM 50**

**OPTIONS 50**

**Note: STEM offerings are indicated with a \* next to the course number.**

**INTRODUCTION**

Mount Saint Mary High School adheres to the policy of admitting students of any race, color, sex, religion, national or ethnic origin to all rights, privileges, programs and activities generally accorded or made available to students at the school. Twenty-eight (28) credits will be required to meet the minimum requirements for graduation.

Senate Bill 982 was passed by the Oklahoma Legislature and signed into law by Governor Henry on June 7, 2005. The law requires eighth grade students entering the ninth grade beginning in the 2006-2007 school year to complete a college preparatory curriculum, unless the student’s parent or legal guardian approves the student to “opt out” of the college preparatory curriculum. If the parent or legal guardian choose to “opt out” the student of the college preparatory curriculum, the parent must sign the appropriate documentation at enrollment.

Mount Saint Mary High School uses a semester system with courses ranging in length from one semester to a full year. There are two grading periods/semesters. Comprehensive exams are administered at the end of each semester. Report cards are issued through an online program by request only.

The Mount’s school day features an A/B day schedule. Each student is enrolled in 8 academic courses. They attend four 85 minute classes each day, alternating 1A, 2A, 3A, 4A (A day) with 1B, 2B, 3B, 4B (B day.) A 45 minute study time (Academic Period) is held between the third and fourth period Tuesday through Friday. During Academic Period, all students are assigned to be in a classroom with their assigned Academic Period teacher, or with another teacher with which they need help.

**COURSE REQUIREMENTS**

 Theology 4

 English 4

 Mathematics 4

 Science 3

 World Language 3

 Oklahoma History 1/2

 World History 1

 American History 1

 American Government 1/2

 World Geography 1/2

 Personal Finance 1/2

 Fine Arts 1

 Speech 1/2

 Physical Education 1/2

 Rocket Experience 1/2

 Elective 3.5

 Total 28

**INFORMATION ABOUT COURSE OFFERING LISTINGS**

Courses will be offered for which sufficient numbers of students are registered. With a few exceptions, credits indicate how long a course will last.

 **UNIT LENGTH**

 1/2 One Semester

 1 All Year

All students enroll in eight classes per semester. If minimum requirements for graduation are fulfilled, seniors may be granted permission by the administration to enroll in one Senior Study per semester.

Elective courses listed in this book are contingent on enrollment. Courses that do not have minimum enrollment of 10 will not be offered during the 2020-2021 school year.

**FRESHMAN REQUIREMENT**

**1100/ The 9th Grade Rocket Experience**

**Required for all 9th graders**

**Units: 1/2**

As young adolescents make the transition into high school, this one-semester course will provide the students the support necessary to make this adjustment. The purpose of this course is to provide various opportunities for the students to make good choices, view themselves in a good light, and to prepare for the responsibilities of the high school student. Areas covered include study skills, organizational skills, social skills, etiquette, communication skills and other areas of preparation for high school success.

**THEOLOGY**

**The Theology Department has a special teaching role within the Mount St. Mary Catholic High School community. Our mission is to teach as Jesus taught and to instill in the students a deep foundation and understanding of the Catholic Faith and how to live their faith daily. In order to achieve this mission, we believe it is vital that prayer and scripture reflection is a part of every class. Thus a prayerful review of the New Testament as well as Old Testament gives the instructor a chance to integrate scripture into their lessons and to provide a forum for discussion on topics that high school students need to reflect upon.**

**1101/ Theology I**

**The Revelation of Jesus Christ in Scripture**

**Required: Grade 9**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

**The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. This course has** a particular focus on Jesus Christ as the fulfillment of salvation history. Revelation, both Divine and natural, is explored, as are inspiration, interpretation, and exegesis. The course guides the students in coming to know the people of salvation history, including the early leaders of Israel; the judges, kings, and the prophets; and the history of salvation as revealed in the New Testament. The students also learn about the role of the Scriptures in the life of faith for the individual as well as for the life of the Church.

**1102/ Theology I**

**Who Is Jesus Christ?**

**Required: Grade 9**

**Units: 1/2**

**This course is in conformity of Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

**The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.** This course leads the students toward a deeper understanding of Divine Revelation, the Trinity, the Incarnation, Jesus, salvation, and discipleship as a response to God’s love.

**1201/ Theology II**

**Paschal Mystery: The Mission of Jesus Christ**

**Required: Grade 10**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. The students encounter the mystery and glory of the suffering, death, Resurrection, and Ascension of Jesus Christ. The course also explores how the Paschal Mystery informs our daily lives, our prayer, and our participation in the life of the Church.

**1204/ Theology II**

**Jesus Christ’s Mission Continues in the Church**

**Required: Grade 10**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church. This course guides the students in exploring and understanding the Catholic Church, as well as its origin, structure, and mission. Additionally, the course addresses the roles of the hierarchy, those in religious life, and the laity in supporting the mission of the Church. Particular attention is paid to the global presence of the Church as a light to all people.

**1301/ Theology III**

**The Sacraments: Encounters with Christ**

**Required: Grade 11**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

This course provides an opportunity to encounter Christ in a full and real way. The focus of this course is to help the students to learn about the Seven Sacraments, especially the Eucharist, to enable them to more fully participate in them. The course also explores the history, scriptural foundation, and current practices of the sacraments. This new semester course, in conformity with the Doctrinal Elements of a Curriculum Framework, leads the students toward a deeper understanding of the liturgy and of the Sacraments, instituted by Christ and given to us through the Church. The course first explores foundational concepts integral to an understanding of liturgy and of the Sacraments: an expanded definition of liturgy, the liturgical year, and what we do when we celebrate liturgy. The Sacraments are introduced through an exploration of symbols & rituals, followed by a presentation of the Sacraments as signs and encounters with Christ in our lives. Throughout the course, the importance of the Sacraments as graced encounters with the Risen Christ, and a strengthening of our relationship with him, is emphasized. This closer relationship, in turn, sends us out to share the love of Christ with others, especially those who are in need.

**1302/ Theology III**

**Christian Morality: Our Response to God’s Love**

**Required: Grade 11**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

Students face countless choices and challenges in their daily lives. This course addresses how a relationship with Christ and the Church can lead to choices that are in accord with God’s plan. The students learn what it means to live as a disciple of Christ and how the Church strengthens this discipleship. The course will lead students toward a deeper understanding of God’s Law revealed to us through reason and Revelation. The course explores how Christ’s life and teaching is the fulfillment of the Old Law summarized in the Ten Commandments. Thus the content of the course is informed by the moral law in the Old Testament, by Christ’s moral teachings in the Gospels, and by the moral teaching of the Church as it applies to what God has revealed to our contemporary moral questions. The New Law of Christ calls us to go beyond keeping moral minimums and to love God, neighbor and self with all our being. We can only do this empowered by God’s grace. In the end, Christian morality is about responding to God’s love by living in full communion with God and others. This course is also in conformity with the USCCB’s Doctrinal Elements of a Curriculum Framework.

**1401/ Theology IV**

**Christian Vocation**

**Required: Grade 12**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. Students will learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community. The sequence of this course begins with the vocation of the common priesthood given in the sacraments of initiation and then continues to discuss married life, single life, priestly life, and consecrated life. More attention will be given to Marriage and Holy Orders since those who receive those vocations are consecrated by the grace of the sacraments received.

**1402/ Theology IV**

**Sacred Scripture**

**Required: Grade 12**

**Units: 1/2**

**This course is in conformity with Doctrinal Elements of a Curriculum Framework, *United States Conference of Catholic Bishops.***

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Given the limits of a semester of study, it will not be possible to introduce all the books of the Bible, but every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God’s action in this record of his Revelation, and his desire to share his merciful love with us. This course presents the economy of salvation as it is revealed in Sacred Scripture through a succession of covenants between God and his people. The Old and New Testaments are examined and shown to be an unbroken communication between God and mankind, the pinnacle and fulfillment of which came with the Incarnation of the Word of God, Jesus Christ. This course will also provide the reason, the patristic and scriptural sources behind the major apologetic questions of our Catholic faith. Topics covered, but not limited to, will be the two sources of Revelation: Scripture and Tradition, Apostolic Authority and the primacy of Peter, Communion of Saints and their intercession, the Marian dogmas of the faith, the real presence of Christ in the Eucharist and confession of sings to a priest.

**ENGLISH**

**Each course in the English curriculum includes activities that provide for the following: exposure to a wide variety of material, development of solid composition and grammar skills, vocabulary development, and the development of critical thinking.**

**2102/2103 English I Grammar, Composition and Literature Required: Grade 9**

**Units: 1**

This freshman English course is a comprehensive study of grammar usage, composition, literature and vocabulary. It is designed to advance grammar and composition skills, improve literary interpretation skills, and build vocabulary competency. Various literary genres are studied using works of major writers. Independent reading is required during the summer and the school year.

**2191/2192 English I Pre-Advanced Placement Grammar Composition and Literature**

**Open to Grade 9**

**Note: Approval required by Department**

**Units: 1**

Pre-AP English I is a college preparatory course emphasizing specific content and skills development which prepare the student for enrollment in Advanced Placement English Language in grade 11 and Advanced Placement English Literature in grade 12. The successful Pre-AP student is a proficient reader and writer who is task oriented, responsible and disciplined, is able to prioritize his/her time and has parental support. The curriculum includes paragraph writing, essay writing, creative writing and learning the research process. In addition to reading classic literature, grammar, usage and punctuation skills are reinforced. All assignments are designed to encourage close reading, critical thinking and creative expression. Summer reading is required, as is independent reading during the school year.

**\*NOTE-Any student receiving a grade of "C" or lower at the end of the first three weeks of a semester may be scheduled out of Pre-AP English and placed in a regular college preparatory English course.**

**2201/2202 English II Literature, Grammar, and Composition**

**Required: Grade 10**

**Units: 1**

The English II student will review the principles of grammar with emphasis on proper usage and punctuation. Writing assignments will include both paragraphs and essays. A research paper will be required using MLA style. The student will study genre literature by reading short stories, a Shakespearean play, novels, and non-fiction selections in thematic units. They will also write poetry, turn in creative projects, and present certain assignments orally. Independent reading is required during the school year and summer.

**2291/2292 English II Pre-Advanced Placement, Literature, Grammar and Composition**

**Open to Grade 10**

**Note: Approval required by Department**

**Units: 1**

Pre-AP English II is a college preparatory course emphasizing specific content and skills development which prepare the student for enrollment in Advanced Placement English Language in grade 11. The successful Pre-AP student is a proficient reader and writer who is task-oriented, responsible and disciplined, able to prioritize his/her time, and has parental support. The curriculum includes three and five paragraph essay writing, a research paper, vocabulary skills, read classic literature and review of grammar, punctuation and usage skills. Assignments are designed to encourage close reading, critical thinking and creative expression. Oral presentations, independent reading, and summer reading are required. Practice AP exams are given as well.

**\*NOTE-Any student receiving a grade of "C" or lower at the end of the first three weeks of a semester may be scheduled out of Pre-AP English and placed in a regular college preparatory English course.**

**2301/2302 English III American Literature and Composition**

**Required: Grade 11**

**Units: 1**

English III is a thematic survey of American literature with emphasis on reading, writing, and further development of vocabulary. Using classic themes and contemporary world and societal issues, the student becomes aware of relationships among the three areas. Essays, projects, and a research paper in MLA style are required. Review for the PSAT and ACT is included in the curriculum. In addition to the American literature anthology, students read supplemental novels and/or plays. Independent reading and summer reading are required.

**2391/2392 AP English Language and Composition**

**Open to Grade 11**

**Note: Approval required by department**

**Units: 1**

AP English III requires college level work. The course is designed to prepare the student for the AP Language and Composition Exam administered in May. It is the equivalent to the first semester of college freshman English. The specific skills required to qualify on the exam include critical reading of complex prose from various periods, analytical writing, and applying of analytical skills to major novels or other literary works. An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes, including literary analysis, argument analysis, and argumentation. 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 generic conventions and the resources of language contribute to effectiveness in writing. AP English Language and Composition includes style analysis, prose interpretation, research, AP practice exams and in-class timed writings, extensive reading, literary criticism, composition, and vocabulary development. A survey of American literature in which themes, methods of characterization, and the authors' use of language and rhetorical techniques will be studied. The AP English Language and Composition student will be challenged to develop critical thinking skills. A research paper is required, and independent reading is required during the school year and summer.

**\*NOTE-Any student receiving a grade of "C" or lower at the end of the first three weeks of a semester may be scheduled out of AP English Language and Composition and placed in a regular college preparatory English course.**

**2401/2402 English IV British Literature and Composition**

**Required: Grade 12**

**Units: 1**

English IV is a chronological study of major writers and styles of British literature. Essays, projects, and a research paper are required. MLA (Modern Language Association) Handbook is the style used for the research paper. Emphasis is placed on examining classic literature and relating it to the present and future. Supplementary reading material may be used. Independent reading is required during the school year and summer.

**2491/2492 AP English Literature**

**Open to Grade 12**

**Note: Approval required by Department**

**Units: 1**

AP English Literature is a one year course for the motivated, accelerated senior student and includes intensive study of representative works from various genres and periods from the sixteenth to the twenty-first century, concentrating on works of recognized literary merit. It is the equivalent to the second semester of college freshman English. The students engage in careful reading and critical analysis of imaginative literature. As they read, students should consider a work’s structure, style, and themes as well as such smaller-scale elements as figurative language, imagery, symbolism, and tone. Writing is an integral part of the course, for the AP Examination is weighted toward students writing about literature. Writing assignments will focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Attention is paid to developing and organizing ideas in clear, coherent, and persuasive language. Essays are regularly assigned as in class, timed writings. Practice for the AP Examination is offered through practice tests: multiple-choice questions about reading passages, an analysis of a passage or poem in which students are required to discuss how particular literary elements or features contribute to meaning, and an open question in which students are asked to select a literary work and discuss its relevant features in relation to the question provided. In addition, students are taught test-taking techniques that will enable them to perform successfully on the AP English Literature Examination, although they are not required to take the exam. A research paper is required, plus independent reading is required during the school year and summer.

**\*NOTE-Any student receiving a grade of "C" or lower at the end of the first three weeks of a semester may be scheduled out of Advanced Placement English Literature and placed in a regular college preparatory English course.**

**2505/ Speech I**

**Open to Grades 9 through 12**

**Required for graduation**

**Units: 1/2**

Speech I introduces the student to the process of speech delivery and its techniques. The student learns about and presents conversational speeches, personal experience speeches, group discussions, informative speeches, impromptu speaking, and demonstration speeches. These presentations help build self-confidence and poise within the student. These qualities are essential, not only in speaking to an audience, but also in the development of the total person.

**\*NOTE-Students completing three or more theatre arts classes may request a waiver of the Speech I requirement for graduation. Student must notify their counselor of their intent to request the waiver after completing the three theatre arts classes. The theatre arts classes that will fulfill this requirement are: Drama, Advanced Drama, Play Production or Musical Theatre.**

**WORLD LANGUAGES (Other than English)**

**At Mount Saint Mary High School, language students are instructed in accordance with the National Standards of Foreign Language Learning. The sequential courses of Spanish, French and Latin are designed for students to gradually improve their language and cultural skills as they: (1) communicate in the target language, (2) gain knowledge and understanding of target cultures, (3) connect with other disciplines through the use of the target language, (4) develop insight through the linguistic comparisons of English and the target language and through comparisons of mainstream culture in the U.S.A. and the target cultures, and (5) participate in community activities in Oklahoma and possibly in other areas of the globe using the target language and cultural insights.**

**3101/3103 French I**

**Open to Grades 9 through 12**

**Units: 1**

French I is an introduction to French language and culture. Moreover, language is also introduced in writing through reading of short, entry-level essays and stories pertaining to Francophone countries. Significant importance is placed on the skills of listening to and speaking the French language via the following methods: TPR, TPRS, in-class activities, short skis and internet resources. The culture of Francophone countries is taught by comparing similarities and differences of the American and Francophone cultures. Moreover, the culture is experienced via on-site visits of Francophone sites like restaurants, exhibitions and meeting with French speaking people. Geography, art and music are also introduced to theses entry-level students.

**3201/3203 French II**

**Open to grades 10 through 12**

**Prerequisite: French I**

**Units: 1**

French II is designed to continue the growth skills developed in French I. The four skills of listening, speaking, reading and writing are further developed and articulated by the study of additional vocabulary, grammatical structure, verb tenses and oral comprehension skills. Knowledge acquired in French I is recycled in order to maintain the link between known and unknown facts to the students. French II further deepens exposure to reading of the Francophone language. Students read more challenging passages and are introduced to critical analysis of written material. A continuation of the study of Francophone culture including geography, historical events, art, institutions and on-site experience are heightened as well as assessment of everyday life in the Francophone countries.

**3209/3210 Pre-AP French II**

**Open to grades 10 through 12**

**Prerequisite: French I**

**Units: 1**

Pre-AP French II follows the same curriculum as French II (see above), although certain areas may be covered more in depth than in regular French II. Additionally, students studying Pre-AP French II will be expected to complete outside reading and writing assignments, and will do internet research dealing with the French-speaking world. They will also be expected to assume a leadership role with our worldwide initiative to connect with the francophone world via technological tools such as skype and ePals.

**3301/3303 French III**

**Open to Grades 10 through 12**

**Prerequisite: French II**

**Units: 1**

French III is designed to continue the growth skills developed in French II. The four skills of listening, speaking, reading and writing are at an intermediate stage as the students’ vocabulary, grammatical structures, and oral comprehension skills improve. Knowledge acquired in French II is recycled in order to maintain the link between known and unknown facts to the students. French III further deepens exposure to reading of the Francophone language. Students will recognize cultural and linguistic similarities and differences between English-speaking and Francophone countries. Students continue to read more challenging passages and become skilled in doing critical analysis of authentic written material. A continuation of the study of Francophone culture including geography, historical events, art, institutions and on-site experiences are heightened as well as assessment of everyday life in the Francophone countries.

**3308/3309 Pre-AP French III**

**Open to Grades 10 through 12**

**Prerequisite: French II**

**Units: 1**

Pre-AP French III follows the same curriculum as French III (see above), although certain areas may be covered more in depth than in regular French III. Additionally, students studying Pre-AP French III will be expected to complete outside reading and writing assignments, and will do internet research dealing with the French-speaking world. The readings and assignments at the Pre-AP level are more challenging so that students may begin their preparation for the AP French Language examination. Students will be expected to assume a leadership role with our worldwide initiative to connect with the Francophone world via technological tools such as Skype, ePals and other web-based technology.

**3401/3402 French IV**

**Open to Grades 11 and 12**

**Prerequisite: A “C” or higher in French III; &/or placement test; &/or teacher recommendation**

**Units: 1**

French IV is designed to continue the growth skills developed in French III. At this stage, students have become comfortable with the French language in the following areas: listening, speaking, reading and writing. Students’ grammatical level and ability to navigate verbally through the language and its complexity is at an intermediate level. Knowledge acquired in French III is recycled in order to maintain the link between known and unknown facts to the students. French IV students are expected to have continuous access to the French language and this access includes summer, fall, Christmas and spring breaks as they will receive assignments including: (1) reading intermediate and advanced level French books, (2) watching cultural and classical French movies, (3) writing summaries of authentic, current articles, (4) corresponding with native French speakers (including students ) from other countries, and (5) participating in French related activities outside the classroom. All students in French IV will be encouraged to continue their studies in preparation of the AP French examination.

**3411/3412 AP French IV**

**Open to Grades 11 and 12**

**Prerequisite: “A” or “B” in Pre-AP French III, &/or departmental permission**

**Units: 1**

Students qualifying for AP French have already completed extensive studies in vocabulary acquisition and grammar, and have acquired intermediate level skills in speaking, writing, reading, and understanding spoken French. Therefore, the rigorous curriculum for this course is designed to refine, perfect, and enhance these skills, as well as to broaden the students’ understanding of Francophone culture and foster interest in continuing the study of French after high school. Successful performance in this course is equivalent to the performance of students who have completed at least four semester of college French. Because of this, students must not only be well prepared, but they must also have a high level of motivation and interest as well as sufficient time to study and to prepare out-of-class assignments. In addition to the regular class work, students will be expected to complete a research project, will maintain a portfolio of their progress and accomplishments in French, and will prepare themselves for the Advanced Placement Examination (or equivalent college credit examination) in May.

**3402/3404 Latin I**

**Open to grades 9 through 12**

**Units: 1**

This is an introductory course into the Latin language and Roman culture. Students will be introduced to the fundamentals of Latin grammar and vocabulary, and upon satisfactory completion of the course, will be able to write and translate simple sentences at a novice level. This course also introduces students to aspects of Roman culture and daily life and how they have shaped the Western world. Roman mythology and history will be explored, from the city’s foundation to the last days of the Republic.

**3502/3504 Latin II**

**Open to Grades 10 through 12**

**Prerequisite: Latin I**

**Units: 1**

This course continues the introduction into the Latin language and the culture of Rome. Students will further their study of basic Latin grammar, including more complex sentence structure and advanced vocabulary, and begin the transition into intermediate-level Latin. Study of Roman culture and history will be a continuation of Latin I, beginning with the fall of the Republic and continuing to the Principate of Augustus Caesar.

**3503/3505 Pre-AP Latin II**

**Open to Grades 10 through 12**

**Prerequisite: Latin I with a “B” or higher, or permission from instructor**

**Units: 1**

Pre-AP Latin II follows the same curriculum as Latin II (see above) although certain areas may be covered more in-depth. Pre-AP students will read selections from Julius Caesar’s Gallic War Commentaries, *De Bello Gallico,* and will participate in discussion of the *Commentarii,* as well as complete additional research projects.

**3603/3605 Latin III**

**Open to Grades 10 through 12**

**Prerequisite: Latin II**

**Units: 1**

This course is a continuation of the intermediate grammar learned in Latin II. Study of complex sentence structure and advanced vocabulary continues, as translation readings begin to reflect the style of authentic Latin prose. Upon satisfactory completion of the course, students will have obtained the intermediate-level grammar necessary to read (adapted) Latin passages from original sources. Study of culture will focus on the impact and influence of Roman thought and achievement within the Western world, particularly in areas of architecture, engineering, military, government and law, medicine and religion. The study of Roman history will be a continuation of Latin II, focusing on the days of the early Empire.

**3602/3604 Pre-AP Latin III**

**Prerequisite: Latin II or Pre-AP Latin II with a “B” or higher, or permission from instructor.**

**Open to Grades 10 through 12**

**Units: 1**

Pre-AP Latin III follows the same curriculum as Latin III (see above) although certain areas may be covered more in-depth than in regular Latin III. Pre-AP students will read selections from Vergil’s *Aeneid,* and will participate in discussion of the epic poem and how it is a reflection of Roman culture and values. Students will be asked to complete additional research projects as part of their coursework.

**3606/3607 AP Latin IV**

**Prerequisite: Pre-AP Latin III or Latin III with “B” or higher, or instructor permission**

**Open to Grades 11 and 12**

**Units: 1**

In this course students will develop the skills needed to literally translate and analyze Latin prose and poetry, and display comprehension of context as well as historical and cultural significance of written passages in preparation for the College Board AP Latin exam. In addition to Vergil’s *Aeneid* and Caesar’s *De Bello Gallico*, students will also practice reading at sight from a variety of Latin authors, and demonstrate comprehension by answering questions and writing short analytical essays. Students will continue their study of Rome’s history and culture in order to place the readings in the appropriate historical context. Rhetorical and stylistic devices will be introduced in this course, and students will be able to identify them using specific terminology, and analyze them within the Latin passages. Additionally, students will be introduced to dactylic hexameter and will practice scansion of the Vergil texts on a daily basis.

**3102/3104 Spanish I**

**Open to Grades 9 through 12**

**Units: 1**

Spanish I is an introductory course which encourages active student participation in the development of the linguistic skills of listening, speaking, reading and writing Spanish. Upon satisfactory completion of the course, students will be able to communicate at a novice-mid (see ACTFL proficiency guidelines) level through the acquisition of vocabulary words/phrases and the study of grammatical structures. An introduction of cultural aspects of the Spanish-speaking world is an integral part of this course. (Students who have had extensive coursework in Middle School Spanish should take a placement test to determine if they should begin their high school Spanish studies at a higher level. Arrangements for this test can be made by contacting the office. Heritage and Native Speakers of Spanish are generally too far advanced for this level and should begin Spanish studies at Level II or III.)

**3107/3108 Pre-AP Spanish I**

**Open to Grades 9 through 12**

**Units: 1**

Pre-AP Spanish I follows the same curriculum as Spanish I (see above), although certain areas may be covered more in depth than in regular Spanish I. Additionally, students studying Pre-AP Spanish I will be expected to complete outside reading and writing assignments, and will do internet research dealing with the Spanish-speaking world. They will also connect to our community by performing two hours of community service per semester. The service must, in some way, include the use of Spanish.

**3202/3204 Spanish II**

**Open to Grades 9 through 12**

**Prerequisite: Spanish I, &/or placement test, &/or Native/Heritage speaker abilities**

**Units: 1**

Spanish II is designed to continue the growth of skills developed in Spanish I. Upon satisfactory completion of the course students at this level will be able to communicate at a novice-high level through the continued acquisition of additional vocabulary and grammatical structures. More extensive reading and writing is performed at this level. Students will continue to acquire an understanding and sensitivity for the cultures of Spanish speaking countries. (Heritage and Native Speakers of Spanish are encouraged to take a placement test to determine if they should begin their high school Spanish studies at this level or at the Pre-AP Level II or at Pre-AP Level III.)

**3205/3207 Pre-AP Spanish II**

**Open to Grades 9 through 12**

**Prerequisite: A “C” or higher in Spanish I, &/or placement test, &/or Native/Heritage speaker abilities.**

**Units: 1**

Pre-AP Spanish II follows the same curriculum as Spanish II (see above), although certain areas may be covered more in depth than in regular Spanish II. Additionally, students studying Pre-AP Spanish II will be expected to complete outside reading and writing assignments, and will do internet research dealing with the Spanish-speaking world. They will also connect to our community by performing two hours of community service per semester. The service must, in some way, include the use of Spanish.

**3310/3311 Spanish III**

**Open to Grades 10 through 12**

**Prerequisite: Spanish II, &/or placement test, &/or Native/Heritage speaker abilities**

**Units: 1**

Spanish III is designed to continue the growth of skills developed in Spanish I and II. Upon satisfactory completion of the course students will be able to communicate at an intermediate-low level through continued acquisition of new vocabulary and more complex grammatical structures. Readings will include excerpts from Spanish literature as well as authentic magazine and newspaper articles. More formal writing is introduced and formal presentation on various topics, including art.. Classes are taught primarily in the target language and students are encouraged to communicate, even among themselves, in Spanish. The products, practices, perspectives of the target cultures are examined more in depth.

**3306/3307 Pre-AP Spanish III**

**Open to Grades 9 through 12**

**Prerequisite: An “A” in Spanish II, or a “C” or higher in Pre-AP Spanish II, placement test, &/or department permission.**

**Units: 1**

Pre-AP Spanish III follows the same curriculum as Spanish III (see above), although certain areas may be covered more in depth than in regular Spanish III. Additionally, students studying Pre-AP Spanish III will be expected to complete outside reading and writing assignments, and will do internet research dealing with the Spanish-speaking world. They will also connect to our community by performing three hours of community service per semester. The service must, in some way, include the use of Spanish.

**3406/3407 AP Spanish Language, Level V**

**Open to Grades 11 and 12**

**Prerequisite: “A” or “B” in Pre-AP Spanish IV, &/or departmental permission**

**Units: 1**

Students qualifying for AP Spanish have already completed extensive studies in vocabulary acquisition and grammar, and have acquired intermediate level skills in speaking, writing, reading, and understanding spoken Spanish. Therefore, the rigorous curriculum for this course is designed to refine, perfect, and enhance these skills, as well as to broaden the students’ understanding of Hispanic culture and foster interest in continuing the study of Spanish after high school. Successful performance in this course is equivalent to the performance of students who have completed at least four semesters of college Spanish. Because of this, students must not only be well prepared, but they must also have a high level of motivation and interest as well as sufficient time to study and to prepare out-of-class assignments. Classes are taught exclusively in the target language and students will be expected to communicate, formally and informally, in Spanish.  In addition to the regular class work, students will be expected to complete a community service project, will maintain a portfolio of their progress and accomplishments in Spanish, and will prepare themselves for the Advanced Placement Examination (or equivalent college credit examination) in May.

 **3418/3419 AP Spanish Literature, Level V**

**Open to Grades 11 and 12**

**Prerequisite: “A” or “B” in Pre-AP Spanish III, &/or departmental permission**

**Units: 1**

AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts. This course is taught exclusively in Spanish. This course culminates in a capstone project wherein students will create their own critical edition of a Spanish literary text, with the planning and supervision of the instructor. This text will be published in an open access textbook anthology, enabling students to learn about copyright and the publication process. Students will also connect to our community by performing five hours of community service per semester. The service must, in some way, include the use of Spanish.

**MATHEMATICS**

**Note: STEM offerings are indicated with a \* next to the course number.**

**4617/4618 Pre-Algebra I**

**Open to Grade 9**

**Counselor Approval**

**Units: 1**

In Pre-Algebra students will focus primarily on Algebraic Reasoning, centered around linear functions and rate of change as modeled in real-world and mathematical situations, which prepares students for Algebra I. Emphasis should be focused on justifying steps used in solving equations and inequalities, implementing a variety of methods to represent their solutions within context, and checking work using substitution, graphing and estimation. Students should be developing skills to fluently calculate and apply to one and two variable equations, including the geometric formulas used in Surface Area, Volume, and Pythagorean Theorem.

**4619/4620 Cornerstone Math**

**Counselor Approval**

**Units: 1**

The Cornerstone math program is designed to meet the individual Cornerstone student where they are in their math skills and help advance their skills through 4 years of an individualized curriculum. As students continue their formal education experience, the emphasis will be to continue to develop and target Numbers and Operations, basic Algebraic Reasoning and basic Algebra, Geometry, Measurement, and finance skills. It is important that these topics be addressed, explored, and made to connect to real-world situations, using a variety of lessons and activities that provide hands-on opportunities, while also promoting problem-solving, reasoning, modeling, questioning, and generalizing. Student assessments will be utilized to measure progress, retention and goal setting for future math progression.

Yearlong course - Cornerstone students will take every year.

**\*4601/4603 Algebra I**

**Units: 1**

Algebra I is ***the*** beginning course in the study of mathematics. Algebra I concentrates on linear relationships by exploring the language of algebra in verbal, tabular, graphical, and symbolic forms. Problem-solving activities and applications encourage students to investigate patterns of numbers and relationships with variables and functions. Success in Algebra I will open the door to all other math courses and many science courses.

**\*4602/4604 Geometry**

**Prerequisite: Algebra I**

**Note: Placement is based on test scores, achievement in previous math courses and recommendations of teachers and administration.**

**Units: 1**

Geometry is designed to promote deductive reasoning skills and to develop critical thinking. This course includes solving geometric and trigonometric problems, writing formal proofs and learning constructions. The relationships between Geometry and other areas of math are stressed. The use of algebraic solutions to geometric problems is emphasized.

**\*4701/4702 Algebra II**

**Prerequisite: Algebra I and Geometry**

**Units: 1**

While linear relationships are explored in Algebra I, Algebra II moves to the next level with 2nd degree or quadratic relationships. Students will become familiar with irrational and imaginary numbers, higher degree polynomials, systems of linear equations, matrices, relations and functions, the conic sections, and if time permits, exponential and logarithmic functions.

**\*4710/4711 Honors Algebra II**

**Prerequisite: Algebra I and Geometry with a B or better and approval of Math Department**

**Units: 1**

This is a comprehensive and rigorous math course which builds on Algebra I and Geometry (which may be taken at the same time). Topics to be covered include linear, quadratic and higher order equations, rational expressions, irrational and complex numbers, functions, systems of equations, matrix algebra, conic sections, and exponential and logarithmic functions. Students who complete this course will be well prepared for Pre-calculus.

**\*4703/4704 College Prep Algebra**

**Prerequisite: Algebra II**

**Units: 1**

College Prep Algebra generalizes linear and quadratic relationships by exploring polynomial functions. More advanced topics include solving higher degree polynomial equations, theory of functions, complex numbers, matrix algebra, exponential and logarithmic functions, sequences and series, and probability and statistics. College Prep Algebra will prepare the student for success in most college level mathematics courses.

**\*4501/4502 Pre-AP Calculus**

**Prerequisite: Honors Algebra II with a B or better and approval of Math Department**

**Units: 1**

Pre-AP Calculus is a college preparatory course and contains specific content and skills development to prepare the student for enrollment in college level calculus or AP Calculus. Topics include: trigonometry; exponential and logarithmic functions; theory of equations; elementary functions and graphs; analytic geometry; and if time permits, complex numbers. This class requires the student to have a graphing calculator, preferably a TI-84 or TI-83.

**\*4503/4504 AP Calculus, AB**

**Prerequisite: Pre-AP Calculus with a B or better and approval of Math Department**

**Units: 1**

AP Calculus AB is a college level course designed to prepare students for the AP Exam administered in May. The specific skills required to qualify on the exam include: analysis of graphs and functions, derivatives and their applications, integrals and their applications, Fundamental Theorem of Calculus, techniques and applications of anti-differentiation, techniques of integration, and numerical approximations to definite integrals. Students who complete this course are strongly encouraged, but not required, to sit for the AP Calculus exam in May. This class requires the student to have a graphing calculator, preferably a TI-84 or TI-83.

**\*4505/4506 AP Statistics**

**Prerequisite: Honors Algebra II with a B or better and approval of Math Department**

**Units: 1**

AP Statistics is a course that prepares college bound students for mathematics in the many areas, i.e. liberal arts, science, mathematics, and engineering. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Emphasis is on the use of graphical and numerical techniques to study patterns, departures from patterns, experimental design, correlation and regression, probability, sampling distributions, and statistical inference. Many activities and projects will require students to actively construct their own understanding of the concepts and techniques of statistics along with effectively communicating their findings. This class requires the student to have a graphing calculator, preferably a TI-84 or TI-83.

**SCIENCE**

**Note: STEM offerings are indicated with a \* next to the course number.**

**\*5409/5410 9th Grade Methods of Science**

**Required for 9th grade**

**Units: 1**

Methods of Science is a class designed to provide students with the science, mathematics, reading and study skills necessary for success in high school science courses. The focus of the class will be on mastery of these skills, while students receive introduction into chemistry, physics, biology and engineering.

**\*5501/5502 9th Grade Honors Methods of Science**

**Open to 9th grade**

**Units: 1**

Methods of Science is a class designed to provide students with the science, mathematics, reading and study skills necessary for success in high school science courses. The focus of the class will be on mastery of these skills, while students receive introduction into chemistry, physics, biology and engineering. The honors section of this course will be held to more extensive knowledge of topics discussed, greater breadth of material, and a higher level of independence when working on projects. Students seeking to take the honors section should feel secure in their algebra skills and require little guidance regarding reading strategies.

**\*5201/5202 Biology**

**Prerequisite:**

**Open to 10th and 11th grade**

**Units: 1**

This full-year course provides students with a solid foundation in high school biological principles. Students will study cell structures and functions and learn how to classify organisms according to similarities and differences. Concepts of genetics and heredity will be explored along with current principles of evolution. The diversity and sacredness of life is emphasized throughout the course as students delve into the world of invertebrates and then vertebrates. The impact of humans on the environment will be studied as students learn about ecosystems and biological communities. An exciting and extensive laboratory program involves students in the process of scientific discovery, giving them hands-on opportunities to explore concepts and apply learned skills.

**\*5203/5204 Pre-AP Biology**

**Prerequisite: Department approval**

**Open to 10th and 11th grade**

**Units: 1**

Pre-AP Biology is a full-year course devoted to an in-depth exploration of biological concepts. Students will use a constructivist approach to study cell structures and functions, classification, genetics, evolution, and ecology. Exploration will begin at the cellular level and advance through metabolic and other biochemical pathways as they relate to and interact in cell, tissue, organ, system, and whole organism levels. Hands-on learning pathways will be developed through extensive reading, research, experimental procedures, and data analysis. The diversity and sacredness of life are emphasized throughout the year. The biological kingdoms and specific species will be studied through system identification, physiology, live organism studies, and interaction among various levels of the environment. Extensive laboratory experiences are designed to be exciting and inquiry-based, and will challenge students to formulate hypotheses and apply their skills to find solutions.

**SOCIAL STUDIES**

**6505/ World Geography**

**Open to Grade 9 through 12**

**Required for graduation (If possible, should be taken Freshman year)**

**Units: 1/2**

In Geography, students study the physical and human dimensions of the world in a spatial context. They explore and analyze the spatial arrangement of both people and physical objects on the earth’s surface. Students learn geographic tools and skills and then examine the world and its problems while making informed decisions. Through the utilization of maps, charts, graphs, and other geographic representations, students are able to study and solve the geographic problems of today’s complex world. Course emphasis is based on map interpretation, physical geography, cultural geography, population, migration, globalization, interactions between humans and the environment, political geography, economic geography, and contemporary geographic problems.

**6101/ Oklahoma History**

**Required for graduation**

**Open to Grades 9 through 12**

**Units: 1/2**

The course surveys the unique developments that comprise the history of the State of Oklahoma. Emphasis is placed on the study of the Five Civilized Tribes, the European explorers, the Indian removals, the Civil War and its effect on Oklahoma and the process of achieving statehood are studied. Oklahoma politics, past and present, the history of the cattle, farming and oil industries are highlighted. The Depression and the War years are studied concerning their impact on the history of Oklahoma. The diverse heritage of Oklahomans and how these various cultures have shaped our state are explored. Current events as they relate to topics in Oklahoma History are also included.

**6501/6502 World History**

**Open to Grades 9 through 12**

**Required: Grade 10**

**Units: 1**

This course will take a topic approach to the study of world history. Units to be covered during the first semester include the study of the era of prehistory, the beginnings of civilization, Greek/Egyptian contributions, the early Mediterranean World, the Roman Empire, major world religions, the early Americas, Africa, China and Japan, and an emphasis on world geography as well as current world events.

During the second semester units to be covered include the study of Europe in the Middle ages, invaders in Europe, development of European monarchies, revolutions in Europe, the Napoleonic era, unification's of Germany and Italy, European imperialism, World War I, World War II and the results of these conflicts. Emphasis will also be placed on current world events and world geography.

**6508/6509 AP World History**

**Open to Grades 10 through 12**

**Units: 1**

The AP World History course focuses on developing students’ understanding of world history from approximately 1200 C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments, and processes while developing and using the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; interaction between humans and the environment; and development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

**6700/6701 AP European History**

**Open to Grades 10 through 12**

**Units: 1**

The objective of AP European History is to increase the students’ understanding and appreciation of European history while helping each student succeed on the AP exam. The course is divided into two semesters: (1) the Later Middle Ages through the French Revolution, and (2) the Industrial Revolution to the present. Areas of concentration include historical, political, and economic history coupled with an intense study of cultural and intellectual institutions and their development. These areas are studied from a variety of perspectives with the hope of providing a balanced view of history.

This course is taught at the college level. The major difference between a regular high school history course and a college-level history course is the greater amount of reading and the depth of focus that is found in the college-level course. Moreover, the AP curriculum demands higher-order thinking skills within a rigorous academic context. Thus, students are frequently required to analyze, synthesize, and evaluate primary and secondary historical sources, in addition to comprehending, memorizing, and applying facts.

**This class may be taken instead of World History or AP World History.**

**6301/6302 American History**

**Required: Grade 11**

**Units: 1**

This course is an analysis of the major social, economic and political trends that have shaped the United States between 1450 and the present. Specific areas of concentrated study include colonization, the Revolution and the Constitutional period and growth of democracy; the Civil War and Post-Reconstruction, the rise of industrialism, the emergence of the United States as a world power, as well as the American involvement in twentieth century wars are examined. Through the study of historical developments and current events, students gain an understanding of the lessons of the past and a perspective of the relationship between past and contemporary issues.

**6306/6307 AP U.S. History**

**Open to Grades 11 and 12**

**Units: 1**

The AP course in U.S. History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The course prepares motivated students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. The AP U.S. History course will thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Enrollment is open and will depend upon the motivation and commitment a student possesses towards the course, as well as teacher recommendation and performance in other history courses. (College Board, 2003) Students are strongly encouraged, but not required, to sit for the AP U.S. History exam.

**6402/ American Government**

**Required: Grade 12**

**Units: 1/2**

American Government examines the basic structures of government. The concepts stressed include the historical development of government as an institution, the Constitution of the United States and the role of the executive, legislative and judicial branches of government. The concept of separation of powers, system of checks and balances, political parties, and the election process are addressed. Emphasis is placed on current events as they relate to the U.S. Government. Emphasis is also placed on the national government with comparisons to state government also.

**6404/6406 AP American Government**

**Open to Grades 12**

**Department Approval**

**Units: 1**

The AP course in U.S. Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. Politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

This course will emphasize the following: knowledge of facts, concepts, and theories pertaining to U.S. government and politics; understanding of typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures); analysis and interpretation of data and relationships in U.S. government and politics; written analysis and interpretation of the subject matter of U.S. government and politics. All students enrolled in the course are encouraged, but not expected, to take the AP test.

**BUSINESS INFORMATION TECHNOLOGY EDUCATION**

**Note: STEM offerings are indicated with a \* next to the course number.**

**7801/ Accounting I**

**Open to Grades 10 through 12**

**Units: 1/2**

In this one-semester course, the student is introduced to the complete accounting cycle for a service business owner as a sole proprietorship. The student will learn how to analyze transactions, prepare basic financial statements and interpret general business records. The student will develop good work habits, organizational skills, the ability to work in groups and to follow directions.

**7802/ Honors Accounting II**

**Prerequisite: Accounting I**

**Open to Grades 10 through 12**

**Units: 1/2**

In this one-semester course, the student is introduced to the complete accounting cycle for merchandising business organized as a corporation. The student will learn how to analyze transactions, prepare basic financial statements and interpret general business records. The student will develop good work habits, organizational skills, the ability to work in groups, and to follow directions.

**7803/ Business Entrepreneurship**

**Open to Grades 9 through 12**

**Units: 1/2**

In this one-semester course, the student will be taught mathematical and critical thinking skills that will help them be a smart shopper, an informed citizen, and a valued employee, and have the ability to own and operate a business. They will be provided comprehensive coverage of person and business-related matters. In addition to reviewing the basic operations of a business, students will be prepared to understand and manage their personal finances, as well as grasp the fundamentals of business finances. Spreadsheet applications will be reviewed. Units are organized into managing your money, spending wisely, making money grow, and business mathematics. Students will be taught the basics of business management in a global economy and will gain an understanding of how the work economy impacts business.

**\*7806/ Computer Applications I**

**Open to Grades 9 through 12**

**Units: 1/2**

**Class size is limited to 16**

This one semester course is designed to introduce students to the basic concepts of computer applications in the 21st century. Students will be introduced to Microsoft Word, Microsoft Excel, and PowerPoint through the use of Microsoft products, and online tools from Google. Students will explore issues related to digital citizenship and online ethics in today’s modern world of technology. Students will learn to use both Apple and Google apps as tools for learning, productivity, communication, creativity, problem-solving and decision making. This project-based class will acquaint them with the information age and teach the skills necessary for success not only in today’s world but also tomorrow’s. Student made products include simple brochures to video slide shows to podcasts that will all be showcased on our Class Website.

**7808/ Personal Finance**

**Open to grades 11 and 12 only**

**Units: 1/2**

In this one-semester course, students will focus on your role as a citizen, student, family member, consumer and active participant in the business world. The intent of this course is to inform you of your various financial responsibilities and to provide you with opportunities for self-awareness, expression and satisfaction in a highly competitive society. This course will be divided into the following units: Income, Taxes, Banking, Savings and Investing, Loans, Credit, Identity Theft and Fraud, Buying a Home, Insurance, Gambling, Bankruptcy, Giving and Economics. This course will get them prepared for life after college and teach the skills necessary for success in today’s world. Economics will also be covered in this class and will include discussion of the following topics: needs and wants, world shortages, different theories of economics, basics of our free enterprise system, supply and demand, and money management. This course will get them prepared for life after college and teach the skills necessary for success in today’s world.

**7809/ Business Law**

**Open to Grades 11 and 12**

**Units: 1/2**

In this one-semester course, students will explore the foundations of business law, while being introduced to interesting personal law topics. The course combines strong content with interactive technology and video to maintain student interest and support active learning. Coverage includes contracts, criminal law, consumer protection, wills and estates, marriage and divorce, property law, employment contracts, unions, and credit obligations. This course will have numerous opportunities for case analysis and research.

**7811/ Business Etiquette (Formerly Global Business Education)**

**Prerequisite: Personal Finance**

**Open to Grades 11 and 12**

**Units: 1/2**

In this one-semester course, student will learn how to adapt to the new global challenges they will face in their professional life. This course will prepare students to work in the new ever changing global society regardless of their career of choice. Whether someone decides to go in the medical field or decides to work in business, he or she cannot escape dealing with global challenges, practices, laws, etiquette, customs and cultures. Learning the basic concepts of global business has the following benefits: they will be better prepared in starting to shape their career of choice, and the will be better global citizens and better educated than most in global matters in their professional life. This course will increase their level of tolerance and acceptance for people who do not look like them, speak like them, behave like them, or think like them in the workplace. All these characteristics are keys to succeeding in today’s global society.

**\*7812/ Webcasting Journalism (Formerly TV & Webcast Production)**

**Open to Grades 11 and 12**

**Prerequisite: Video Production or Teacher Approval**

**Units: 1/2**

**Class size is limited to 16**

This one-semester course is designed to introduce students to the principles, procedures, and techniques of webcast productions. Students will learn to produce their own content for the MSM webcast production and will learn about live productions via webcasting our home games. Students will also produce and edit small vignettes to be used during webcasting and/or MSMRocketTV on YouTube and will produce short documentaries/news items for MSMRocketTV and/or for the school newspaper. Students will learn about the different sports and events they will commentate and cover, and how to be more professional in their presentations and productions. Each student has the opportunity to serve several different roles in the Webcast production process: Producer, Writer, Director, Editor, Cameraperson, etc.

 **\*7813/ Video Production**

**Open to Grades 9 through 12**

**Prerequisite: Computer Applications OR Teacher Approval**

**Units: 1/2**

**Class size is limited to 16**

This one-semester course is designed to further develop the skills of students in the world of computer applications. Students will learn the fundamentals of video production, including the techniques and the aesthetics of shooting, lighting, and editing. Emphasizes hands on production experience, using digital video. Students will develop editing skills mainly with Final Cut Pro. Students will also continue to develop advanced 21st century skills through using Apple software. Students will produce many different projects through electronic communications. Students will produce and edit projects such as mini-movies, music videos, documentaries and other fun projects that will be posted to their personal MSM YouTube channel.

**\*7814/ MSM Media Productions (Formerly Advanced Video Production)**

**Open to Grades 10 through 12**

**Prerequisite: Video Production**

**Units: 1/2**

**Class Size is limited to 16**

This one-semester course is designed to further develop the skills of students in the world of video production. Students will learn advanced skills to enhance the quality of short films. This will include in depth practice in color correcting, animation, special effects, and cinematography. Students will primarily be workin on school centered projects. Weekly school updates, sports promos, highlights and monthly Mount Life episodes. Students will be in charge of pre-production, production and post-production. This class emphasizes hands on experience, using digital video. Students will continue editing skills mainly with Final Cut Pro. Students will also explore other software such as Motion and the Creative Cloud, Adobe Photoshop and Premiere. The students’ short films will be posted to the MSMRocketTV YouTube channel.

**\*7815/ Creative Media (Formerly Graphics and Film Design)**

**Open to Grades 10 through 12**

**Prerequisite: Video Production and/or Art 1 AND Teacher Recommendation**

**Units: 1/2**

This semester-long course combines graphic design techniques and advanced video editing. Students will be introduced to the Adobe Creative Suite and acquire an in depth understanding of Photoshop, Illustrator, Final Cut Pro X and Premier. This co-taught course will allow students to primarily focus on graphics or film with some integration of the two. This class will incorporate visual art through still and motion design. This advanced course will prepare students wishing to pursue careers in graphic design, marketing, film, web design or game design.

Project based learning depending on the individualized plan of study.

**\*7901/ Advanced Webcast**

**Prerequisite: Video Production OR Teacher Approval**

**Open to Grades 11 and 12**

**Units: 1/2**

**Class section size is limited to 16**

This one semester course is designed to be a comprehensive overview of all forms of media, past and present, to prepare students for the future. Students will work together to produce their own weekly newscast program which will be webcasted on the internet. They will research and learn how to run studio cameras, edit using computer technology software, compositions, lighting, staging, interviewing and everything it takes to produce a news program. They will also examine the media’s present roles in our society through interactive discussions, computer blogs, and many hands-on production activities that will showcase creativity and imagination. They will be introduced to and trained in computer video editing via Final Cut, audio editing via Garage Band and applications from Apple on iMacs. There will be opportunities for guest speakers and field trips.

**\*4712/4713 AP Computer Science Principles**

**Open to Grades 10 through 12**

**Prerequisite: Algebra 2 or currently enrolled in Algebra 2**

**Units: 1**

This course introduces students to the essential ideas of computer science with a focus on how computing can impact the world. Along with the fundamentals of computing, students learn to analyze data, information, and knowledge represented for computational use; create technology that has a practical impact; and gain a broader understanding of how computer science impacts people and society. Seven big ideas are interwoven together to form the course: creativity, abstraction, data and information, algorithms, programming, the Internet, and global impact. Two major projects are required for the course. Students who take this course will develop a range of skills vital to the success in subsequent college courses, such as using computational tools to analyze data. They will also develop communication and collaboration skills to solve problems, and discuss and write about the importance of these problems and the impact to society. What makes this course interesting? 1. Explore how computing and technology can impact the world around you. 2. Conceptualize and bring digital projects to life.

**FINE ARTS**

**2508/ Drama I**

**Open to Grades 9 through 12**

**Units: 1/2**

This course introduces the student to the creative and imaginative world of Theatre. Through the study of audience etiquette, play analysis, characterization, body movements, vocal usage, and stage movements, the student will be able to demonstrate his/her talent by performing monologues, duets, oral interpretations, and short plays. These exercises in drama encourage the development of self-esteem and self-confidence, working towards developing the person as a whole.

**2517/ Play Production**

**Open to Grades 9 through 12**

**Prerequisite: Drama I or by teacher approval**

**Units: 1/2**

Play Production is available only during **Fall** semester. The major emphasis of this course is to provide for the continued growth and development of the students’ acting and technical skill through studying and producing a one act production for the regional one act play competition and learning basic stage lighting, sound and set construction. Students are required to participate as cast and crew members for the one act play as well as participating in other performance opportunities and stagecraft projects. The director will assign roles and crew positions. Limited time outside of the class period is required.

**2526/ Stagecraft**

**Open to Grades 9 through 12**

**Teacher Approval Required**

**Class limited to 10 students**

**Units: 1/2**

The objective of this course is to introduce the student to the fundamental elements and principals of technical theatre through hands-on learning and to relate these practices to those used in professional, amateur, and educational theaters. The course will include a brief history of theatrical stages and technology, and in overview of professional and educational theatre structure. Students will learn the functions of the creative team, production staff, technicians and stage crew. Basic elements of scenic construction, design concepts, theatrical lighting, sound technologies, costumes, props and stage management will be introduced and assessed through practical application. Participation in either the One Act or Musical Stage Crew is required for this course. A limited amount of time is required outside the school day.

**9117/ Musical Theatre**

**Open to Grades 9 through 12**

**Units: 1/2**

This is an open drama/music course available only during the Spring semester.  It will combine skills in four disciplines: acting, singing, dancing and stagecraft.  This course will familiarize students with the tools needed to build key musical theater arts skills. Students will receive instruction in the auditioning, acting exercises, production techniques, basic dance, basic voice and theater conventions.  Students will also demonstrate their abilities in these areas through a spring musical theatre performance.  All students in this class are required to take part in the spring musical, which in addition to class time, require some after school rehearsals.

**9500/ Art 1 Drawing**

**Open to Grades 9 through 12**

**Units: 1/2**

This introductory course will allow students to explore drawing through the use of line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark making. These drawing issues may be addressed through a variety of means which could include painting, printmaking, mixed media etc. The students will develop perception skills through observational drawing, modeled form on a 2-D surface, and the illusion of creating spatial depth. Students may also explore abstract works that focus on self-reflection using invention and symbolism. As in all visual art courses, students will gain an understanding of the elements and principles of design as they utilize them to create compositions.

**9504/ Art 1 Design**

**Open to Grades 9 through 12**

**Units: 1/2**

Design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The principles of design (unity, variety, balance, emphasis, contrast, rhythm/repetition, proportion/scale, figure/ground relationships), can be articulated through the visual elements (line, shape, color, value, texture and space). The focus of this class is for students to utilize the elements and principles in making decisions about how to organize an image on a picture plane in order to communicate content. Students will work with concepts such as visual communication, positive/negative space, type/text, textures/patterns, symbols/repeated image, properties of color and color integration. Mediums may include, but are not limited to paint, drawing materials (markers & pencils), printmaking, collage, photography, and/ or digital processes.

**9508/9510 Art II**

**Open to Grades 10 through 12**

**Prerequisite: Art I Drawing or Art I Design**

**Units: 1**

Students will work in various art mediums with a focus on creating within the compositional space. These mediums may include but are not limited to extensive drawing materials, printmaking, painting, collage, mixed media, photography, and digital applications. As in all visual art courses, students will gain an understanding of the elements and principles of design as they utilize them to create compositions.

Abstraction and realism will both be experienced with an emphasis on original ideas, invention, experimentation, expression, and the discovery of solutions to visual problems when making art. Both drawing concepts - line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark making and design concepts - purposeful decision-making using the elements and principles of art in an integrative way will be utilized.

**9513/9514 AP Art & Design - Drawing**

**Open to Grades 10 through 12**

**Prerequisites: Art II and teacher recommendation upon review of student’s artwork.**

**Units: 1**

While this College Board course is titled AP Art & Design - Drawing, students are by no means limited to only drawing mediums. This class is intended to address a very broad interpretation of drawing issues in media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth, and mark making are drawing issues that can be addressed through a variety of means which could include painting, printmaking, mixed media etc. Abstract, observational and invented works will be incorporated into this class. The students’ applications of ideas and mind-full processes of authentic art making are also characteristic of this advanced level course. There is no preferred or unacceptable style or concept for this course, a variety of methods and techniques will be explored. In addition to creating works that are a direct result of classroom assignments, students will create a body of their own personal art work that is visually or conceptually coherent. Students may also receive college credit in the area of AP Studio Art, 2-D Design or as an elective for other majors, depending on the college they attend, by submitting their portfolio of art work in the spring to the AP College Board.

**9516/9517 AP Art & Design - 2-D Design**

**Open to Grades 10 through 12**

**Prerequisite – Art 1 with AP Studio Art Teacher Portfolio review and recommendation.**

**Units: 1**

This College Board course is intended to address two dimensional design issues. Design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The principles of design (unity, variety, balance, emphasis, contrast, rhythm/repetition, proportion/scale, figure/ground relationships), can be articulated through the visual elements (line, shape, color, value, texture and space). The focus is for students to utilize the elements and principles in making decisions about how to organize an image on a picture plane in order to communicate content. Approaches may include either representational or abstract approaches to art-making, and may include personal art-making or be client based. The students’ applications of ideas and mind-full processes of authentic art making are also characteristic of this advanced level course. For this course, students are asked to develop and demonstrate an understanding of 2-D Design through any two dimensional medium or process including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking. In addition to creating works that are a direct result of classroom assignments, students will create a body of their own personal art work that is visually or conceptually coherent. Students may also receive college credit in the area of AP Studio Art 2-D Design or as an elective, for other majors, depending on the college they attend, by submitting their portfolio of art work in the spring to the AP College Board.

**9530/9531 AP Art & Design – 3-D Design**

**Prerequisite: AP Art & Design – 2-D Design and Teacher approval**

**Open to Grades 11 and 12**

**Units: 1**

This College Board course is intended to address three-dimensional design issues. Design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The principles of design (unity, variety, balance, emphasis, contrast, rhythm/repetition, proportion/scale, figure/ground relationships), can be articulated through the visual elements (line, shape, color, value, texture and space). The focus is for students to utilize the elements and principles in making decisions about how to organize an image on a picture plane in order to communicate content. Approaches may include either representational or abstract approaches to art-making and may include personal art-making or be client based. The students’ applications of ideas and mind-full processes of authentic art making are also characteristic of this advanced level course. For this course, students are asked to develop and demonstrate an understanding of 3-D Design through any two dimensional medium or process including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking. In addition to creating works that are a direct result of classroom assignments, students will create a body of their own personal art work that is visually or conceptually coherent. Students may also receive college credit in the area of AP Studio Art 3-D Design or as an elective, for other majors, depending on the college they attend, by submitting their portfolio of art work in the spring to the AP College Board.

**9519/ AP Art & Design Extension Lab**

**Prerequisite: Must be enrolled in an AP Studio course to be enrolled in this class**

**Units: 0**

This course is designed to be taken in conjunction with any one of the AP Studio Art Courses (AP Studio Art Drawing or AP Studio Art 2-D Design and AP Studio Art Independent Study) and may be taken more than one semester as long as the student is enrolled in an AP course. This class is designed to give the students additional opportunities to build their portfolio for the AP Studio Art classes. Students will be monitored and graded on a weekly basis for their productivity. This course is a continuance of the AP Studio Art courses and the art work completed during this course is to be in compliance with the rigorous standards of the College Board curriculum for each of the AP Studio Art Courses.

**9522/ Visual Journaling 101**

**Open to Grades 9 through 12**

**Units: 1/2**

Design drawing, collage, printmaking and more. This class is about experimentation with ideas, materials, and techniques to ensure a better understanding of one's journey and the world we live in expressed in collection of visual art format - a visual journal. For the artist and the non-artist the curriculum is designed to better tap into one's creative self. This course can be used as ½ credit for Fine Arts

**9132/9133 AP Music Theory**

**Open to Grades 10 through 12**

**Units: 1**

AP Music Theory – a two-semester course – introduces the study of tonal harmony and voice-leading in music of the common practice era (roughly 1600-1900). Students will study melodic function and counterpoint, harmonic function, voice-leading practices both locally and over longer spans within a composition. Students will begin to expand their knowledge of the manner in which harmonic function, melody, meter, and cadential formulae interact to create musical phrases and larger formal structures. Additionally, students will develop aural skillsets necessary to identify functional characteristics of music. While the course concentrates on European classical music, the concepts will often be applicable to much tonal music of the 20th and 21st centuries, including certain styles of film music, popular music, jazz, and some modern “classical” compositions. Prerequisite knowledge of the music lexicon is not necessary to enroll in this class. This course is recommended for all students who are enrolled in Instrumental or Vocal Music Ensembles as well as Musical Theater. Advanced private instruction and tutoring is available for interested and/or capable students. This course is taught at the college-level thus awarding college credits to those who earn a passing grade. The college credits awarded are accepted at most Colleges and Universities throughout the country. Tutoring is available for interested students.

**9121/9122 Instrumental Music Ensemble**

**Open to grades 9 through 12**

**Units: 1**

The Instrumental Music Ensemble – a two-semester course - delivers instruction on the requisite techniques, repertoire, and fundamental musical knowledge required to interpret and perform repertoire common to performances, musical competitions, as well as to prepare for auditions for a College or University. While requisite knowledge of musical idioms is not necessary to enroll in and enjoy this course, it is strongly encouraged that students enroll in contiguous semesters, years to maximize the benefit of the instruction given and proficiency attained. The Instrumental Music Ensemble takes several forms throughout the semester, including a drumline, jazz band, string quartet, chamber, ensemble and pep band. The Instrumental Music Ensemble supports the MSM community by way of performances at events throughout the academic year. This ensemble will also participate in OSSAA competitions as well as other relevant competitions and events throughout the region. While the department provides all drumline instruments, concert instruments may need to be provided by the students. Student-provided items include: mouth pieces and reeds for all wind instruments, picks, and sticks/mallets. Advanced private instruction is available for interested and capable students. Rehearsal outside of school hours required.

**9104/ Music Appreciation**

**Open to grades 9 through 12**

**Units: 1/2**

Music Appreciation is a semester-long course designed to create and enhance an understanding and appreciation of the elements, Ethos, and effect of music, musicians, and composers throughout Western recorded history as well as in the events of today. Topics will include music, musicians, composers, painters, philosophers, events and the like from the Middle Ages and Gregorian Chant to present day and Rock & Roll, Pop and Hip Hop. Prerequisite knowledge of musical idioms is not necessary to enroll in and enjoy this course. This class is available for dual credit (high school and college) when student meets the requirements for Concurrent enrollment at OSU-OKC.

**9129/ Music Fundamentals**

**Open to grades 9 through 12**

**Units: 1/2**

This semester-long course is designed for students who desire to learn an instrument, but have not been permitted the opportunity to receive formal instruction. Following a brief unit on music theory fundamentals, students will be given individual and group instruction on their instrument culminating in a studio performance at the end of the semester. Secondary topics include musical composition and arranging for each student’s selected instrument. Instruments provided include: bass clarinet, clarinet, concert percussion, drumline percussion, flute, guitars (acoustic and electric), hand percussion, piano, saxophone, trap set (drum set), trumpets, tuba, violin, and voice. Students who desire instruction on instruments not listed will need to acquire them for this class. Student-provided items include: mouth pieces and reeds for all wind instruments, picks, and sticks/mallets. Tutoring and advanced private instruction is available for interested and capable students.

**9130/9131 Vocal Music Ensemble**

**Open to grades 9 through 12**

**Units: 1**

Centering on acapella musical performance, the Vocal Music Ensemble, a two semester course, delivers instruction on the requisite techniques, repertoire, and fundamental musical knowledge required to interpret and perform repertoire common to performance, musical competitions, as well as to prepare for auditions for a College or University. While prerequisite knowledge of musical idioms is not necessary to enroll in and enjoy this course, it is strongly encouraged that students enroll in contiguous years to maximize the benefit of the instruction given and proficiency attained. The Vocal Music Ensemble supports the MSM community by way of performances at events throughout the academic year. This ensemble will also participate in OSSAA competitions as well as other relevant competitions and events throughout the region. Advanced private instruction is available for interested and capable students. Rehearsals outside of school required.

**9134/ Show Choir**

**Open to grades 9 through 12**

**Units: 1/2**

Centering on acapella musical performance, the MSM Show Choir – a one-semester course available both first and second semester– delivers instruction on the requisite techniques, repertoire, and fundamental musical knowledge required to interpret and perform repertoire common to performances, musical competitions, as well as to prepare for auditions for All-State ensembles, Colleges or Universities. While prerequisite knowledge of musical idioms is not necessary to enroll in and enjoy this course, it is strongly encouraged that students enroll in contiguous years to maximize the benefit of the instruction given and proficiency attained. The MSM Show Choir supports the MSM community by way of performances at events throughout the academic year. This small, pop-based ensemble will also participate in competitions as well as other relevant competitions and events throughout the region. Advanced private instruction is available for interested and capable students.

**\*2521/2522 Yearbook**

**Open to Grades 9 through 12**

**Prerequisite: Approval from Instructor**

**Units: 1**

The primary objective is to produce the school’s yearbook, THE ROCKET, in all stages of the book. Some of the major phases include, but are not limited to: learning and practicing photography, focusing on the basic editing techniques and principles of graphic design, and focusing on the journalism skills of writing headlines, captions and copy. The student will be responsible for selling and designing ads and for assisting with any necessary fundraising efforts. These design and journalism students must be self-disciplined, dependable, and willing to work with others. They will also be expected to complete tasks and attend events before, during, and/or after school hours in order to meet important deadlines. This year long course will fulfill one Fine Arts credit.

**PHYSICAL EDUCATION**

**Competitive team sports are offered at Mount St. Mary as an elective for school credit. Mount St. Mary is a member of the OSSAA and follows all rules and regulations that are established by the OSSAA, which entitles us to compete for a State Championship.** **Competitive athletics are open to students willing to compete for a position on the freshmen, junior varsity and varsity teams where applicable.**

**8105/ Beginning Weight Training/Conditioning-Boys**

**8106/ Beginning Weight Training/Conditioning-Girls**

**Open to grades 9 through 12**

**Units: 1/2**

**STUDENTS CANNOT BE IN THIS CLASS IN THE SAME SEMESTER AS THEIR VARSITY SPORT.** For the **non-athlete**, this course is designed to increase the appreciation of the benefits of regular exercise as it contributes to overall wellness. The course will provide knowledge to the students on how to set up their own weightlifting program, understand and name the muscles in the human body, and provide

exercise that will be able to be used for lifetime leisure.

**8107/ Wellness and Positive Lifestyles**

**Open to Grades 9 and 10 only**

**Units: 1/2**

The course will be designed to challenge a student’s critical thinking skills, awareness, and understanding regarding current health issues and concerns. The student will develop communication skills, leadership, research and critical social analysis. Students will understand the pros and cons of making life choices.

**8108/ Advanced Strength and Conditioning - Boys**

**8109/ Advanced Strength and Conditioning - Girls**

**Open to Grades 10 through 12**

**Prerequisite: Students must have taken Beginning Weightlifting.**

**Units: 1/2**

**STUDENTS CANNOT BE IN THIS CLASS IN THE SAME SEMESTER AS THEIR VARSITY SPORT.** The course will provide more details towards, sports specific workouts, core lifts, cardiovascular activities, auxiliary lifts and ply metrics. The course will give the student knowledge of how to perform difficult lifts, increasing their MAX on several upper and lower core lifts, and the importance of muscular development and their functions. This course will be offered during the Fall and Spring Semesters.

**8111/ Girls Fitness**

**Open to Grades 9 through 12**

**Units: 1/2**

**STUDENTS CANNOT BE IN THIS CLASS IN THE SAME SEMESTER AS THEIR VARSITY SPORT**. The course will give the student knowledge of how to increase and maintain a healthy level of fitness, through several different means of exercise, including cardiovascular training, core exercise, interval training, yoga, plyometrics, and basic weightlifting. This course will be offered during the Fall and Spring semesters.

**8112/ Boys Physical Education**

**8113/ Girls Physical Education**

**Open to Grades 9 through 12**

**Units: 1/2**

**STUDENTS CANNOT BE IN THIS CLASS IN THE SAME SEMESTER AS THEIR VARSITY SPORT**. This course will be designed to increase the appreciation and benefits of lifetime exercises, team and individual sports. This course will emphasize the basic rules and fundamentals of sports such as: Table Tennis, Field Hockey, Basketball, Flag Football, Bowling, Volleyball and much more.

**COMPETITIVE SPORTS**

**8100/ Freshman Basketball - Boys**

**8200/ Freshman Basketball - Girls**

**Open to incoming 9th grade – Fall semester only**

**Units: 1/2**

The course will be designed as official practice for competitive participation of the freshman basketball season. The student will be able to work with the coaches and teammates to compete, build character, and become an overall complete student athlete.

**8101/8121 Boys Basketball**

**Open to Grades 10 through 12**

**Taken both semesters**

**Units: 1**

The course will be designed as a practice and preparation for participation in Varsity basketball games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better basketball player. The skills obtained will be able to be used on and off the court, which consist of discipline, respect and teamwork. After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.

**8208/8209 Girls Basketball**

**Open to Grades 10 through 12**

**Taken both semesters**

**Units: 1**

The course will be designed as a practice and preparation for participation in Varsity and Junior Varsity basketball games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better basketball player. The skills obtained will be able to be used on and off the court, which consist of discipline, respect and teamwork. After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.

**8099/ JV Boys Basketball**

**Open to Grades 10 through 12**

**Taken first semester**

**Units: 1/2**

The course will be designed as a practice and preparation for participation in Junior Varsity basketball games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better basketball player. The skills obtained will be able to be used on and off the court, which consist of discipline, respect and teamwork. After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.

**8102/ Football**

**Open to grades 9 through 12**

**Taken first semester**

**Units: 1/2**

The course will be designed as a practice and preparation for participation in Varsity and Junior Varsity football games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better football player. The skills obtained will be able to be used on and off the field, which consist of discipline, respect and teamwork. ***After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.***

**8104/ Off Season Football**

**Open to grades 9 through 12**

**Taken second semester**

**Units: 1/2**

The course will be designed as a practice and preparation for participation in Varsity and Junior Varsity football games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better football player. The skills obtained will be able to be used on and off the field, which consist of discipline, respect and teamwork. This course is for those football players that are not enrolled in a spring sport, plus they will also be involved in Powerlifting competitions during the semester. **NOTE: If a senior is planning on playing college ball, it is highly recommended that he enrolls in this course.**

**8103/ Baseball**

**Open to grades 9 through 12**

**Taken second semester**

**Units: 1/2**

The course will be designed as a practice and preparation for participation in Varsity and Junior Varsity baseball games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better baseball player. The skills obtained will be able to be used on and off the field, which consist of discipline, respect and teamwork. ***After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.***

**8116/ Cross Country**

**Open to Grades 9 through 12**

**Taken first semester**

**Units: 1/2**

The course will be designed to teach both novices and experienced distance runners the basics of distance running. Students who choose to compete in interscholastic cross country will take this course to improve competitive skills and conditioning. Workouts for these students will start in the summer and continue in the morning before class once school starts. Students who do not compete will learn the life-long skill of running to improve personal conditioning. Students will learn the basics of distance training including types of running, running form, drills, stretching, and required nutrition. A semester of training will culminate in at least one 5K or 10K road race or time trial. ***After completion of the cross country season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program.***

**8117/ Swim**

**Open to Grades 9 through 12**

**Units: 1/2**

Swim is designed to teach both novice and experienced swimmers the basics of the sport. Students who choose to compete in interscholastic swimming will take this course to improve competitive skills and conditioning. Workouts for these students will start in October and will be held in the morning before school starts. Students will learn life-long skill of swimming to improve personal conditioning, including different strokes, proper technique, drills, stretching, and required nutrition. Swimmers will compete in OSSAA varsity swim meets, culminating in the State Championship meet for those who qualify. Students on the swim team will be required to travel to meets, sometimes on weekends and after school.

**8202/ Fast Pitch Softball**

**Open to Grades 9 through 12**

**Taken first semester**

**Units: 1/2**

Fast pitch softball is a competitive sport for both the varsity and junior varsity athlete. The Mount St. Mary softball team competes against other high school softball teams in games sanctioned by the OSSAA. Required practices begin the first Monday after July 4th, and games begin the second Tuesday of August and potentially continue through the beginning of October, depending on how far the team advances in the OSSAA state softball playoffs. Athletes are expected to attend all practices and games. ***After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.***

**8203/ Volleyball**

**Open to Grades 10 through 12**

**Taken first semester**

**Units: 1/2**

The course will be designed as a practice and preparation for participation in Varsity and Junior Varsity volleyball games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better volleyball player. Workouts for these students will start in the summer. The skills obtained will be able to be used on and off the court, which consist of discipline, respect and teamwork. ***After completion of the season, any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.***

**8205/ Freshman Volleyball**

**Open to Grade 9**

**Taken first semester**

**Units: 1/2**

The course will be designed as a practice and preparation for participation in Freshman volleyball games. The student athlete will be able to work with the coaches and teammates to build character, positive attitudes, and compete to become a better volleyball player. Workouts for these students will start in the summer and this class is held BEFORE school starts – what is called Zero Hour. The skills obtained will be able to be used on and off the court, which consist of discipline, respect and teamwork. ***After completion of the season, the student athlete will be required to participate in the off-season conditioning program.***

**8204/8216 Spirit Squad/Cheerleading & Pom**

**Open to Grades 9 through 12**

**Taken both semesters**

**Units: 1**

The course is designed as a practice and preparation for participation in competitions, plus cheering for football and basketball games. The student athlete will be able to work with the coaches to build character, positive attitudes, build school spirit and compete in competitions. The skills obtained will be used on and off the court, which consist of discipline, respect and teamwork. Tryouts for the MSM Spirit Teams are each spring.

**8207/ Golf – Co-Ed**

**Open to Grades 9 through 12**

**Taken second semester**

**Units: 1/2**

Golf is open to students willing to compete for a position on the varsity teams. The course will be designed as a practice for participation in the varsity Golf season. Students on the Varsity Golf Team will be required to travel to tournaments and matches, sometimes on weekends and after school. The student athlete will be introduced to stretching and conditioning exercises that will enhance their ability to perform at the high school level in addition to working on their current golf skills. The student will be able to work with the coaches and teammates to compete, build character, and become an overall complete student athlete. The student will need the proper clothing, shoes and golf clubs. Actual cost will vary depending on the type of equipment, clothing and shoes purchased. ***Before and after the Golf season, any student athlete not participating in another sport will be required to participate in an off-season golf program.***

**8220/ Track – Boys**

**8221/ Track - Girls**

**Open to Grades 9 through 12**

**Taken second semester**

**Units: 1/2**

The Track & Field course serves as a practice allowing for proper, specialized training.  Although training for the indoor season can commence on October 1st, the class is second-semester only. Dynamic and detailed instruction will be given throughout the season, which will not only tune the student-athlete, but also further enhance the development of the character of the student-athlete. From January to May student-athletes will compete in a maximum of 3 indoor meets and 8 outdoor meets, in addition to the Regional and State Track meet should the student-athlete qualify.

**8301/ Boys Soccer**

**8303/ Girls Soccer**

**Open to Grades 9 through 12**

**Taken second semester**

**Units: 1/2**

In this one-semester course the student will learn the fundamentals of playing soccer.  The fundamentals will include: strategies, tactics, proper conditioning, basic soccer drills and training sessions.  Students will be required to fully participate in all activities to the best of their abilities and will be asked to perform several tasks to the benefit of the soccer program.  The class focuses on both the academic and athletic side of the sport and challenges the students to excel in both areas. ***After completion of the season, any student any student athlete not participating in another sport will be required to participate in the off-season conditioning program for all sports.***

Practices begin in December.  Furthermore, soccer practices are held daily after school in December up to one week before semester finals.  Beginning in January, the Boys team practices during 4B and after school on A days.  The Girls team practices during 4A and after school on B days.

**8305/ Tennis – Boys and Girls**

**Open to Grades 9 through 12**

**Prerequisite – Approval from Head Coach**

**Taken Second Semester**

**Units: 1/2**

Tennis is open to students willing to compete for a position on the varsity teams. The course will be designed as a practice for participation in the varsity tennis season. Students on the Varsity Tennis Team will be required to travel to tournaments and matches, sometimes on weekends and after school. The student athlete will be introduced to stretching and conditioning exercises that will enhance their ability to perform at the high school level in addition to working on their current tennis skills. The student will be able to work with the coaches and teammates to compete, build character, and become an overall complete student athlete. The student will need the proper clothing, shoes and tennis racket. Actual cost will vary depending on the type of equipment, clothing and shoes purchased. ***Before and after the tennis season, any student athlete not participating in another sport will be required to participate in off-season conditioning program.***

**GENERAL ELECTIVES**

**Note: STEM offerings are indicated with a \* next to the course number.**

**1108/ Life Skills 101**

**Units: 1/2**

**Open to Grades 11 and 12**

Life Skills is a class designed to increase student knowledge and skills necessary for successful everyday living.  The course emphasizes a hands on approach in a variety of areas: sewing, basic tools use, nutrition, entertaining, letter writing, basic first aid, and decision making are just a few of the topics covered during the semester.  Students will possibly be required to provide some materials. (Example: thread, food items) The class is open to all grade levels.

**1200/ Cornerstone Scholars**

**Units: 1/2**

**Open to Grades 11 and 12 (with Counselor approval)**

Cornerstone Scholars is an elective class for students without disabilities to gain experience working with same-aged students with moderate cognitive delays in educational settings. Cornerstone Scholars increase access to the general curriculum and to all of the activities of a typical high school student for students with moderate disabilities. This course allows for positive social interactions and social relationships to develop between students with and without disabilities. In addition to your work in the classroom, you will complete weekly journal and unit assignments where you will learn about various disabilities, the legal rights of students with disabilities, and how accommodations and modifications are necessary for full inclusion programs. You will also explore the career opportunities available in the areas of Special Education and Human Services.

**1210/ Cornerstone Scholars II**

**Units: 1/2**

**Prerequisite: Cornerstone Scholars I**

**Open to Grades 11 and 12 (with Counselor approval)**

Cornerstone Scholars II is an elective class for students without disabilities to gain experience working with same-aged students with moderate cognitive delays in educational settings. Cornerstone Scholars increase access to the general curriculum and to all of the activities of a typical high school student for students with moderate disabilities. This course allows for positive social interactions and social relationships to develop between students with and without disabilities. In addition to your work in the classroom, you will complete weekly journal and unit assignments continuing the development of understanding differentiated learning through accommodations and modifications in the inclusion program.

**1403/ Paths To Prayer**

**Open to Grades 9 through 12**

**Units: 1/2**

Develop a richer prayer life and connect more fully with the presence of God in your everyday activities by learning to pray in new ways. This course is an invitation to explore the yearnings of your heart and seek God in your daily life. With step-by-step instructions from over forty ways to pray, this course is a valuable guide to a wealth of timeless spiritual prayer practices that Christians have used over the last 2000 years. Among the prayer practices you’ll encounter are the daily office, Lectio Divina, fasting, prayer beads, novenas, icons, walking a labyrinth and others. This is a thoroughly practical course on hearing God’s voice. Class participation and personal prayer times will be required as we share how God challenges all involved.

**1407/ Philosophy**

**Open to Grades 10 (with teacher recommendation), 11 and 12**

**Units: 1/2**

This course introduces the student to the study of philosophy and teaches skills of critical thinking. The course examines the meaning and value of philosophy; human nature and the self; ethics and values (in search of the Good life); social philosophy; freedom; individualism; philosophy and art; epistemology – the nature of knowledge; truth; philosophy and religion; the meaning of suffering and death; examination of decision making and self-discovery. This course is available for dual credit (high school and college) when a student meets the requirements for Concurrent enrollment at OSU-OKC.

**1410/ Peer Ministry**

**Open to Grades 11 and 12, by application only.**

**1 semester course**

**Units: 1/2**

This upper level course is designed to assist students in developing their spiritual leadership skills by planning and leading liturgies, prayer services, and retreats.  Students will study the foundations of spiritual leadership focusing on Jesus Christ as the model.  Students will learn about growing in their own spirituality by experiencing a number of different types of prayer.  Students will focus on incorporating our Mercy values into the faith community of the school.  The purpose of this course is to expose students to opportunities to serve as peer ministers to their fellow students and develop a deeper understanding of the process of leading in faith-based activities.

**1411/ Transformative Service Learning**

**Open to Grades 11 and 12**

**Units: 1/2**

Transformative Service Learning is a holistic process that places students at the center of their own active and reflecting learning experience. It expands students’ perspective of their relationship with self, others, community, and environment. This one semester, service learning elective will be based around the Catholic Corporal Works of Mercy: feed the hungry, give drink to the thirsty, shelter the homeless, clothe the naked, visit the sick, visit the prisoners, bury the dead, and give alms to the poor. Students will have an opportunity to study these Corporal Works of Mercy. Key components of the course will include: transformative service-learning, citizenship, civic responsibility and participation, charity, and social justice.

**1415/ The Catholic Imagination**

**Prerequisite: Junior (with teacher permission)/Senior; 3.0 or higher unweighted GPA; ACT 19/Pre-ACT 20 in English or Reading OR 1020 PSAT in ERW**

**Units: 1/2**

What does the Catholic Church have to do with the invention of the pretzel? Or how has faith influenced our media and artwork? How has it shaped our understanding of marriage and family? Far beyond a set of religious beliefs and practices, the Incarnational truth of our faith extends past our church doors and into our everyday lives. This class will explore the Catholic worldview and the value and significance of creation as a whole.

This course is offered as a three-credit dual enrollment course through Newman University and will transfer to most universities as a humanities credit. There is a fee for the college credit of $75.00 per credit hour. Students are not required to take the course for university credit and will earn the weighted grade point.

**2502/ Leadership Seminar**

**Prerequisites: Entering 11th or 12th grade.**

**Units: 1/2**

This course focuses on the skill sets needed to elicit high commitment and productivity from people and groups, particularly groups on our campus. Awareness of one’s own values, beliefs, decision-making tendencies, and behaviors is seen as a crucial first step in becoming a leader. Thus, a significant portion of the course consists of activities designed to enhance students’ self-awareness. The course provides students with the interpersonal skills needed to motivate others in their social environments and incorporate others in organizations in meaningful ways. Methods of instruction include individualized feedback, case studies, role-plays, and experiential exercises. The class will also have a work/service component which allows students to apply what they have learned in concrete situations.

**2530/ Principles of Leadership**

**Open to Grades 9 and 10**

**Units: 1/2**

Principles of Leadership is designed for freshmen or sophomores. The course focuses on developing a working understanding of four different core principles of leadership: Vision, Service, Courage and Scholarship. The class would also seek to deepen student understanding of Mercy Values, Catholic Social Teachings and Corporal Works of Mercy. The overall goal for the course is to equip MSM underclassmen with leadership skills that they can develop over the course of the next several years for the benefit of themselves, the school and the community.

**2520/ College Entrance Prep - Juniors**

**Open to Grade 11**

**Units: 1/2**

As a college preparatory institution, Mount St. Mary offers this course to assist students with the college and career preparation process. During this one semester course, students will begin the continuous process of planning for the future, identifying college and career options, and mastering basic skills needed for college and career success. A college and career portfolio will be created throughout the course and used as a tool for collecting and organizing information and documents related to future education and career plans as well as provide a structure for self-exploration and reflection. Possible coursework may include, but is not limited to: journal reflections, goal setting, resume’ building, career and personality assessments, resources for college and scholarship searches, etc.

**2540/ Journalism 1**

**Open to Grades 10 – 12**

**Units: 1/2**

Journalism is a one-semester hands-on course in which students learn to write, edit and produce **The Launchpad**, the e-newspaper of Mount St. Mary Catholic High School. This course covers such topics as reporting, news story editing, ethical and legal issues for student newspapers, news photography and photo editing, formatting, layout, and design. The course is specifically designed to report on events, students and Mount St. Mary’s life. The intent is to do a fair amount of reporting by writing articles on game results, students, clubs and events at The Mount to highlight Rocket events, students, clubs, events, and lifestyle. It will also include some field trips, guest speakers and use of video for the e-newspaper.

**2550/ College Entrance Prep – Seniors**

**Open to Grade 12**

**Units: 1/2**

As a college preparatory institution, Mount St. Mary offers this course to assist students with the college and career preparation process. During this one semester course, students will begin the continuous process of planning for the future, identifying college and career options, and mastering basic skills needed for college and career success. A college and career portfolio will be created throughout the course and used as a tool for collecting and organizing information and documents related to future education and career plans as well as provide a structure for self-exploration and reflection. Possible coursework may include, but is not limited to: journal reflections, goal setting, resume’ building, career and personality assessments, resources for college and scholarship searches, etc.

**2100/ Reading Enrichment**

**Open to Grades 9 through 10**

**Units: 1/2**

This is a **required** course for readers who need help meeting the demands of reading at a college-preparatory level. Instruction will include recognition of main ideas and details, critical reading skills, vocabulary acquisitions, inference, and synthesizing information and ideas. Reading comprehension is enhanced by reading fiction and content readings from academic courses. The goal of the course is to prepare students to read college-preparatory texts independently.

**2501/ Film Studies**

**Open to Grades 11 and 12**

**Note: May be required to submit a writing sample**

**Units: 1/2**

The purpose of this course is to introduce students to the language of visual media and to critical tools for discussing and writing about films. The study of film introduces students to the primary visual, auditory, and narrative conventions by which motion pictures create and comment upon significant social experience. This study will be achieved by examining multiple genres of film, including but not limited to silent, horror, comedy, dramatic, and foreign films.

**2515/ Creative Writing I**

**Open to Grades 9 through 12**

**Prerequisite: 2.5 GPA in English**

**Units: 1/2**

This one semester course will be divided into two sections (1st and 2nd quarters). The first section is dedicated to the art of creativity, abolishing the idea of “writer’s block,” and finding a muse. The student will creatively compose, edit, and revise a piece of prose or poetry. The second section is devoted to creating a piece of non-fiction or fiction in the form of a short story or a one-act play. The student will learn how to create illustrative descriptions of settings and authentic, realistic dialogue between characters.

**2519/ Creative Writing II: Special Topics**

**Open to Grades 9 through 12**

**Prerequisites: 2.5 GPA in English and Creative Writing I, or approval from Instructor**

**Units: 1/2**

Creative Writing II: Special Topics combines an intensive writing workshop component with directed readings and craft lessons. Students will learn advanced techniques for formulating plot, establishing and directing character, creating voice, and using figurative language. Students will write in a number of genres, including fiction, nonfiction, and poetry to be submitted to the school literary magazine. Readings will be evaluated and analyzed from a writer’s point of view and with a writer’s attention to craft.

**2524/ Reading for Pleasure**

**Open to Grades 10 through 12**

**Units: 1/2**

Reading for Pleasure is a workshop class designed to help students develop a lifelong habit of reading for entertainment and personal enrichment by cultivating good reading habits and offering an extended time to read material of the student’s choice. While the majority of class time is spent reading self-selected books, there will also be mini-lessons in reading skills, vocabulary work, and class discussion of topics related to reading and literature, and responses to literature.

**2527/ Dante’s *Divine Comedy***

**Open to Grades 10 through 12**

**Units: 1/2**

This course will be an introduction to one of medieval literature’s greatest works, *The Divine Comedy* by Dante Alighieri. Students will explore the philosophical (justice, the nature of the human person, the role of the state and government), theological (Heaven, Hell, redemption, punishment), and historical themes that are found in this epic, and how those themes are still relevant today more than five hundred years later. The course will focus on Dante’s *Inferno, Purgatory, and Paradise,* but other works will be introduced to show the influences Dante used in his writing.

**2529/ Man’s Search for Meaning**

**Open to Grades 10 through 12**

**Units: 1/2**

This course is designed to expose the student to one of the biggest questions that a person will wrestle with during his/her life: “What does it mean to be human?” At the same time, the student will be presented with the thoughts and texts of various great thinkers and philosophers who in their own time and their own way have wrestled with this question and every other question that’s related to it. Most importantly, though, the student will in their own turn have to ponder with these same questions.

**3416/3417 French as a “Third” Language**

**Open to Grades 9 through 12**

**Units: 1**

This course will offer targeted Spanish language Mount St. Mary students a chance to learn French by using their existing Spanish knowledge as the “anchor” to learning French. Students will learn French by using the similarities that exist between the two languages as the base to their learning. According to a study done by the Ethnologue, French was evaluated to have a lexical similarity of 75% with Spanish. Students will improve their knowledge and understanding of French thanks to creative and innovative methods of conversing, writing, listening and reading French. Learning the basic concepts of “Practical French” in high school has following benefits for Mount St. Mary students: 1.) they will increase their overall attractiveness to top colleges by their ability to be functional in multiple languages, 2.) they could potentially earn more college credit due to their fluency in multiple languages, and 3.) they will become culturally and linguistically more diverse which could open endless opportunities to them in many different aspects of their private and public life.

**4714/ Statistical Reasoning in Sports**

**Open to Grades 11 and 12**

**Prerequisites: Algebra II**

**Units:1/2**

This course applies four steps to the statistical process in the context of sports: ask questions, collect data, analyze data, and make conclusions. Each unit will begin with a sports-related statistical question, then students will learn how to collect appropriate data, analyze the data, and draw conclusions. Although the context of the examples and exercises will be sports related, the primary focus of the class will be to teach students the basic principles of statistical reasoning. Use of technology, including online applets and a graphing calculator, will be prominent in the course. Throughout the course, students will complete investigations that require them to complete the four-step statistical process using athletes of their choice.

**\*5205/5206 AP Biology**

**Open to Grades 11 and 12**

**Prerequisites: Biology/Pre-AP Biology and department approval**

**Units: 1**

 AP Biology is an in-depth study of molecule and cells, heredity and evolution, and organisms and their populations. The range and depth of concept analysis and problem solving, as well as workload and lab requirements, parallels a college level Introductory Biology course. After a satisfactory score on the AP examination, some college freshmen are permitted to enroll in upper-level courses in Biology or enroll in courses in which Biology is a prerequisite. Students are strongly encouraged, but not required, to sit for the AP Biology exam.

**\*5803/5806 Honors Anatomy and Physiology**

**Open to Grades 11 and 12**

**Prerequisite: 9th Grade Methods of Science/Physics, Chemistry and Biology**

**Units: 1**

This course provides an introduction of the structure and function of the human body. The interaction of body systems to maintain homeostasis and the relationship between physiological reactions and a structure’s function will be emphasized. Lab work and dissections of preserved specimens are an integral part of this course. This course is suggested for students interested in any area of health science.

**\*5810/5812 AP Chemistry**

**Open to Grades 11 and 12**

**Prerequisite: 9th Grade Methods of Science Physics/, Chemistry/Pre-AP Chemistry, Algebra II and departmental approval.**

**Units: 1**

AP Chemistry areas of study include but are not limited to the following: atomic theory, thermodynamics, bonding, solution chemistry, equilibrium, acid-base chemistry including buffers, and oxidation-reduction chemistry. Students will also be given a brief introduction to nuclear, organic, and coordination chemistry. The range and depth of math, concept analysis and problem solving, as well as workload and lab requirements, parallels a college level General Chemistry course. After a satisfactory score on the AP examination some college freshmen are permitted to enroll in upper-level courses in Chemistry or enroll

in courses in which Chemistry is a prerequisite. Students are strongly encouraged, but not required, to sit for the AP Chemistry exam.

**\*5405/5406 AP Physics 1**

**Open to Grades 11 and 12**

**Prerequisite: 9th Grade Methods of Science Physics/, Chemistry, Biology and concurrent enrollment in Pre-AP Calculus.**

**Units: 1**

This one year course introduces trigonometry based, college level Physics. The College Board AP Physics 1 curriculum will be followed. The College Board will begin offering this exam May of 2015. Topics include one and two dimensional motion, Newton’s Laws, conservation of energy and momentum, rotational motion, simple harmonic motion, and circuits. Students will be challenged in their critical thinking and logic skills and a hands-on laboratory component helps build students’ scientific reasoning skills. This class is excellent preparation for students who want to study science, including pre-med, or engineering in college.

**\*5407/5408 AP Physics C Mechanics**

**Open to Grades 11 and 12**

**Prerequisite:9th Grade Methods of Science/Physics, Chemistry, Biology and concurrent enrollment in AP Calculus**

**Units: 1**

In this course we will follow the College Board AP Physics C: Mechanics curriculum. This class is the equivalent of a college level, calculus based physics mechanics course. Topics include one and two-dimensional motion, Newton’s Laws, conservation of energy and momentum, rotational motion, simple harmonic motion and gravitation. The laboratory component of this course helps builds students’ scientific reasoning skills. This class is excellent preparation for students who want to study science, including pre-med, or engineering in college. Students are strongly encouraged, but not required, to sit for the AP Physics C: Mechanics exam in May. Depending on your score on the exam and the college you choose to attend, you may receive college credit for this course.

**\*5910/5911 AP Environmental Science**

**Open to Grades 11 and 12**

**Prerequisite: Chemistry, Biology, Algebra**

**Units: 1**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students are strongly encouraged, but not required, to sit for the AP Environmental Science exam in May. Depending on your score on the exam and the college you choose to attend, you may receive college credit for this course.

**\*5912/5913 STEM**

**Prerequisites: Chemistry**

**Units: 1**

The goals for the STEM course is to capture the breadth of the purpose of STEM education and reflect the types of intellectual resources needed for the growth and development in an increasingly science and technology driven society. These goals are intended to 1) increase interest, pursuit and advanced training in STEM career fields; 2) expand the STEM capable workforce; and 3) increase scientific literacy in the general public.

**\*5103/ Astronomy**

**Open to Grades 9 through 12**

**Units: 1/2**

 A single semester elective course in astronomy will provide the student with an introduction to the fundamental human endeavor of astronomy.  Themes of human achievement, physics in the universe, continuity of matter, and the dynamic systems that sustain life will be emphasized throughout the course.  The student will be led to develop critical thinking and visualization skills.  Information of the latest astronomical events will be covered, including the Galileo probe, Mars Pathfinder and Global Surveyor, Hubble Deep field, etc.

**\*5108/ Astronomy II**

**Open to grades 9 through 12**

**Prerequisite: Astronomy I**

**Units: 1/2**

This one semester course of instruction includes lectures, quizzes, and internet research, presentations and hands-on labs. This course in astronomy presents an opportunity to participate in astronomical research. Students will construct a radio telescope, collect and analyze the resulting data. We will impart an enthusiasm that we should feel toward astronomy and to awaken students to the marvelous universe God has created for us.

**\*5901/5902 Robotics**

**Open to Grades 9 through 12**

**Prerequisites: Must have successfully completed Algebra I**

**Units: 1**

This year long elective course will provide a basic grounding in engineering and the relevant aspects of electronics, physics, and mechanics, in addition to the practical applications of robotics in our society.

This course is designed to introduce the scientific concepts that allow the construction of functional robots. Course content will include: the history and future role of robots; practical application of robots; the business aspects of robot design, development and production; the opportunity to participate in FIRST robotics competitions, and a capstone project in which the student will work alone, or with a team to design and construct a working robot. Participation in competitions outside of school is required. Students participating on F.I.R.S.T. Robotics teams are eligible to letter in Robotics, provided they meet the criteria.

**\*5903/ Forensic Science**

**Open to Grades 11 and 12**

**Prerequisites: Chemistry and Biology**

**Units: 1/2**

This one semester course is designed to challenge students with topics such as fingerprinting, blood identification, trajectories, and chemical analysis of drugs, poisons, and trace evidence. Students will learn about the careers involved with Forensic Science and will play mock roles as experts in the field to solve crimes. They will learn teamwork in solving the mock crimes and have a chance to change their roles as the semester progresses. Students will be supplied with tools to interpret data and techniques involved for both chemical and biological analysis of evidence.

**\*5904/ Introduction to Aviation and Aerospace**

**Open to Grades 10 through 12 (limited to 12 students)**

**Prerequisites: Algebra 1**

**Units: 1/2**

A singles semester long course will provide a basic understanding of fundamental principles of aerodynamics, flight dynamics, propulsion, structural mechanics, flight controls, design, and testing using drones and rockets. Occasional off-site instruction will be provided to allow for testing, practice and launching. End of course project will be to research, design, build, test and evaluate an unpowered glider stressing team building, creativity, financial management, resource allocation, and leadership. In addition, at the conclusion of the course, each student will have the opportunity to apply for an approved FAA drone pilot (sUAS) license.

**\*5906/ Intro to CAD (Computer Aided Design)**

**Open to grades 9 through 12**

**Units: 1/2**

This course is intended to give an introduction to Computer Aided Design using multiple formats. Students will learn to use various programs to develop techniques that improve their speed and accuracy. Students will design and print multiple objects using one or more of the 3D printers on camp

**6507/ History of Greece and Rome**

**Units: 1/2**

**Open to Grades 11 and 12**

This course will introduce and cover topics and themes related to Greco-Roman history and civilization. We will cover the history of ancient Greece from the earliest from the time period of 3000 B.C.E.-500 C.E. and will pay considerable attention to the political history of Greece with an emphasis on Minoan Crete, Mycenaean Greece, and the emergence of the Greek Polis through the rise of Alexander. We will trace the development of the democratic ideal in Greece through the Classical period emphasizing aspects of culture such as literature, religion/mythology, art/architecture, education, science/technology, intellectual life and the role of women.

The second half of the course we will examine the development and dissemination of Roman civilization in ancient times and its influence on the modern world.  Aspects of Roman culture such as literature, law, religion, art and architecture, education, popular entertainment, and the role of women will be emphasized in this part of the course as well.  We will also discuss the idea of freedom in Greece and in Rome, focusing on Athenian democracy and the Roman Republic to compare each civilization’s concept of liberty.

In this course, there will also be an emphasis for students to develop a number of skills needed for college including: interpersonal communication skills through class discussion, critical thinking and writing skills, reading comprehension, research and presentation skills. Primary and secondary sources will be utilized throughout the course to provide students with both a literary and historical perspective of the significance of Greco-Roman civilization and culture.

**6520/ World Civilization II**

**Open to 11th (with teacher permission)/12th grade with 3.0 o higher unweighted GPA; ACT 19/Pre-ACT 20 in English or Reading OR 1020 PSAT in ERW**

**Units: 1/2**

This survey course examines world civilizations from 1600 to the present. There will be a special emphasis on the political, cultural, religious, economic, social and military lives of the peoples around the world. The course will analyze the major effects of imperialism, global wars, trade, and the growth of technology in an increasingly globalized world.

This course is offered as a three-credit dual enrollment course through Newman University and will transfer to most universities as a history credit. There is a fee for the college credit of $75.00 per credit hour. Students are not required to take the course for university credit and will earn the weighted grade point.

**6521 American History II**

**Open to Grades 12; 3.0 or high unweighted GPA; ACT 19/Pre-ACT 20 in English or Reading OR 1020 PSAT in ERW**

This survey course will examine American civilization from the Reconstruction Era to the modern day. Emphasis on the growth of the United States, including the intellectual, artistic, social, economic, and political achievements will be discussed as well as the emergence of the United States as a global power during the 20th Century.

This course is offered as a three-credit dual enrollment course through Newman University and will transfer to most universities as a history credit. There is a fee for the college credit of $75.00 per credit hour. Students are not required to take the course for university credit and will earn the weighted grade point.

**6801/ Psychology**

**Open to Grades 11 and 12**

**Units: 1/2**

The field of psychology explores what people do, how they think, and why they act as they do. Students in this course will study pioneers in the field of psychology including the works of Sigmund Freud, Jean Piaget, B.F. Skinner, Erich Fromm and Abraham Maslow. The roles that heredity and environment, as well as biological influences, have on behavior will be examined. Discussion will focus on understanding and measuring personality and intellectual ability. The learning and thinking processes will be examined. Throughout the course careers in the various fields of psychology will be explored.

**6802/ Sociology**

**Open to Grades 11 and 12**

**Units: 1/2**

Sociology is the study of human patterns of behavior. This course deals with basic sociological concepts, problems and theories. Emphasis is placed on group relationships, social causes and the consequences of behavior. The student will study the problems of communities, nations and the world. In-depth study will focus on society’s influence on the rules of behavior and the role of the family in society.

**7821/ Macro Economics**

**Open to Grades 9 – 12**

**Units: 1/2**

Economic concepts are vital to understanding individual choices and business decisions. In this course, students will develop a basic understanding of the elements of economics useful in understanding consumer decision making. Major components include economic growth, market structures, demand, supply, elasticity, competition and monopoly, production and demand, pricing and employment, taxes and current economic issues.

**7822/ International Business**

**Open to Grades 9 – 12**

**Units: 1/2**

International Business is an advanced course over the theories and mechanics of doing business abroad, covering exporting, joint ventures, and foreign direct investment. Cases are used to analyze the economics and politics of international trade, the functions, and forms of monetary systems, and the successful and failed strategies of international business. Extensive use of technological tools will allow students to keep up with fast-changing events relating to world trade.

**7823/ Contemporary Workforce**

**Open to Grades 9 – 12**

**Units: 1/2**

Contemporary Workforce is designed to provide the definitions of diversity, discuss various techniques of managing among other things, a multi-racial and multi-cultural workforce, and explore the numerous benefits that occur when such a workforce achieves goals and objectives together.

**7902/ Cyber Security I**

**Open to Grades 10-11**

**Units: 1/2**

Cyber Security is an increasingly in-demand field of Computer Science. In this course we will look at the major ideas in the fields of Cyber Security or Information Assurance. This is not a “hacking” class but we are looking at the ways that computers, programs, networks and people are exploited by hackers and what we can do to prevent or minimize the damage caused by bad actors. CS1 will introduce Cyber Security and provide students with basic skills to recognize and react to cyber threats.

**7903/ Cyber Security II**

**Open to Grades 10-11**

**Prerequisite: Cyber Security I**

**Units: 1/2**

Cyber Security II expands on Cyber Security I topics and provides students with more advanced skills and tools to combat cyber threats. This series of classes allows students to explore the topic to determine their interest in further education and careers in the field.

 **PLUSS PROGRAM**

**0200/204 THE PLUSS PROGRAM (Freshmen)**

**0201/203 THE PLUSS PROGRAM (Upper Classmen)**

**Units: 1**

The PLUSS Program (Providing the Link to Unlimited Student Success) was established to offer support, guidance and remedial methods to qualifying students with learning differences. Each student in the program is entitled the same quality Christian education as a student who does not have a learning difference. The same textbooks and materials used in the classroom will be used with the learning disabled student. The students are expected to complete the regular course work with the following accommodations: extended testing time, oral testing (when appropriate), monitoring of subject grades, as well as organizational and study skills that are critical in becoming their own advocate in addition to other accommodations specific to the individual student.

Eligibility for the PLUSS Program is based on current testing (within the past three years) from a qualified examiner that reflects intellectual ability, academic achievement and documentation of a learning difference. Two letters of recommendation addressing the candidate’s character are required as well as an interview with the PLUSS Program Director and a member of the school’s administrative staff.

Small group and one-on-one instruction is provided by a learning disability specialist. All students attend mainstreamed classes with support from the PLUSS Program in regularly scheduled periods. Students commit themselves to academic excellence. This requires preparation, cooperation and consistency. Parents are expected to attend the scheduled conferences and support the efforts of the students and learning specialists. Students eligible for the PLUSS Program will incur an additional $1,000 fee.

**CORNERSTONE INCLUSION PROGRAM**

**205/206 CORNERSTONE INCLUSION**

**OPEN TO GRADES 9 THROUGH 12**

**UNITS: 1**

The Cornerstone Inclusion was established to offer academic support, curriculum modifications, guidance, peer mentorship and social support to qualifying students with mild disabilities.  Each student in the program is entitled to the same Catholic education as a student who does not have a learning disability. The same textbooks and materials used in the classroom will be used with the student in the Cornerstone Inclusion Program.  Additional materials may need to be purchased by the parents due to curriculum modifications.  The curriculum and lessons will be modified according to the need of each student.  The students are expected to complete the curriculum areas with the following modifications and accommodations as needed: extended testing time, oral testing, shortened assignments, alternate formats for assignments and assessments, Cornerstone Inclusion Scholar in core classes, monitoring of subject grades as well as organizational skills that are critical in becoming their own advocate in addition to other accommodations and modifications specific to the individual student. When the student graduates MSM, the student will receive a Certificate of Completion, not a diploma as our modified curriculum does not meet MSM graduation requirements.

Eligibility for the Cornerstone Inclusion Program is based on current psycho-educational testing (must be within the past three years) from a qualified examiner that reflects intellectual ability, academic achievement and documentation of a learning difference. The student should have the ability to follow high behavior expectations, independent in self-care skills, interact appropriately with peers, initiate verbal and written expression, and participate in classroom and social activities without the use of an educational assistant. The student should have a Math and English equivalent of a 4th-5th grade education level. The student must be in 8th grade and be at least 14 years old. The student must enter MSM as a Freshman. Acceptance is based on the Cornerstone Inclusion application process.

Small group and one-on-one instruction is provided by a learning specialist. All students will attend regular classes with support from Cornerstone Inclusion Program in regularly scheduled periods. Students will commit themselves to academic excellence. This requires preparation, cooperation and consistency. Parents are expected to attend the scheduled conferences and support the efforts of the students and learning specialist.  Students eligible for the Cornerstone Inclusion Program will incur an additional $1,000 fee.

**OPTIONS**

**0410/ Vo-Tech 12th Grade**

**Open to Grades 12**

**Offered: Two years, all year**

**Prerequisite: Acceptance by the Vo-Tech and approval by the Administration of Mount Saint Mary High School.**

**Units: 3 per year**

Two-year vocational training programs are available to Mount Saint Mary students in a variety of fields. The program is open to both boys and girls. The credits will be applied towards graduation from Mount Saint Mary High School.

**0606/0607 Concurrent Enrollment**

**Open to Grade 12**

**Prerequisite: Approval from the Principal and Counselor is required**

If minimum requirements for graduation are fulfilled, seniors who meet the college requirements (minimum 3.0 GPA) may be released to enroll in college classes concurrently.

**0604/ Senior Study 1 - 1st Semester**

**0605/ Senior Study 2 - 2nd Semester**

**Open to: Approved 12th Grade and 11th Grade Students**

**Prerequisite: Satisfaction of all graduation requirements**

**Approval from the Administration is required.**

If minimum requirements for graduation are fulfilled, seniors (and juniors on a limited basis) enrolled in **four** or more AP courses **may** be granted permission by the administration to enroll in one Senior Study per Semester.