



**ARCHBISHOP
EDWARD A. MCCARTHY
HIGH SCHOOL**

ATMOSPHERE

ACADEMICS

ARTS

ATHLETICS

THE ROMAN CATHOLIC COLLEGE
PREPARATORY SCHOOL OF THE FUTURE

www.mccarthyhigh.org

GENERAL INFORMATION

NOTE: All information in this book is subject to change based upon state and county directives.
Close and continuous communication with school officials is imperative.

Registration Procedure

- 1) Use this guide or use course descriptions on the digital course selection platform Plus Portals in planning for next year.
- 2) Prepare the four-year planning sheet included in this book.
- 3) Check the grade level and prerequisite for each course selected.
- 4) A re-registration email is sent to the parent/guardian.
- 5) Plus Portals digital course selection link and transcript are sent to the student.
- 6) Student is to complete and submit their Plus Portals digital course selection form and can meet with a counselor to review their selections during the assigned meeting dates.
- 7) Once the parent pays registration, sets up a FACTS agreement, completes the student information form, and if applicable, makes any necessary AP payments, the counselor will finalize the course request from the student.

Key Information

It is the student's responsibility to be aware of his/her credit status and to select an appropriate course sequence leading toward graduation. The minimum requirements for high school graduation DO NOT fulfill the minimum requirements for admission to ALL colleges. Students who receive an F at the end of a semester will be required to remediate in spring and/or summer school. Students who receive a D are strongly recommended to remediate the course.

Graduation Requirements

In addition to the credits listed below, students are required to maintain a minimum of 2.0 Career Grade Point Average.

Theology	4 credits	Social Studies	3 credits
English	4 credits	(Required: World & American History, Eco/Gov)	
Mathematics	4 credits	Foreign Language	2 credits
(Algebra I, II & Geometry required)		(in the same language)	
Science	3 credits	Physical Education	1 credit
Required: Biology; Chemistry or Physics		Required: Health/Life Management	
strongly recommended.		Practical/ Fine Arts	1 credit
2 credits must have a lab component		Electives	2 credits

Scheduling/Course Selection/Placement

Each student is scheduled individually for the upcoming academic year. Students will receive a link for course selection upon completion of the re-registration process.

The placement of a student will depend on previous semester's grades. After completing re-registration and course selection, students will receive a preliminary course list before the end of the school year. Students will then have a one week period to check the course list and meet with their counselor if any changes are needed. Schedule changes are not accepted once the master schedule has been created. In the rare instance a student is granted a class change after the deadline, there will be a fee of \$100 after completing the appropriate form with the guidance counselor.

Students and parents must realize that in some cases schedule change requests cannot be granted due to scheduling conflicts.

Criteria for Placement in Honors and AP Courses

AP Course

Student must have a 3.5 GPA

Students already in an AP course must achieve a semester grade of B (80+) in the prerequisite course(s) in order to remain in that department's AP level for the following year.

Students in an Honors course must achieve a semester grade of A (90+) in the prerequisite course(s) in order to move up to that department's AP level for the following year.

Honors Course

Student must have a 3.25 GPA

Students already in an Honors course must achieve a semester grade of B (80+) in the prerequisite course(s) in order to remain in that department's Honors level for the following year.

Students in a College Prep course must achieve a semester grade of A (90+) in the prerequisite course(s) in order to move up to that department's Honors level for the following year.

AP (Advanced Placement) courses require students to take the semester exams and the AP test in the subject, at an additional expense, with the possibility of earning college credit.

College Dual Enrollment Classes

Dual enrollment courses for credit through St. Thomas University are offered on campus. Students must have at least a 3.0 GPA to apply. Dual enrollment registration and payment due at the beginning of the year/semester through St. Thomas University in order to enroll and receive college credit for the course.

Course Credit Policies

1. All students must take a schedule with six classes each year at Archbishop McCarthy. Credit for all classes is awarded by semester (.5 credits).
2. A student will not be promoted to the next grade unless all previous credits have been earned.

What you need to know about GPA

GPA stands for Grade point Average. Every grade is given a certain number of quality points. There are two types of GPA: Simple and Weighted. The simple GPA does not include extra points for weighted, honors or AP courses and is basically used for Athletic Eligibility. Additional points are added to courses that are weighted due to their curricular content. These courses are noted in the guide by asterisks.

GPA

	<u>Simple</u>	<u>AMHS</u>	<u>Weighted</u> (*)	<u>Honors</u> (**)	<u>AP/DE</u> (***)
97-100	4	4.5	5.0	5.5	6.5
94-96	4	4.25	4.75	5.25	6.25
90-93	4	4.0	4.5	5.0	6.0
87-89	3	3.5	4.0	4.5	5.5
84-86	3	3.25	3.75	4.25	5.25
80-83	3	3.0	3.5	4.0	5.0
77-79	2	2.5	3.0	3.5	4.5
74-76	2	2.25	2.75	3.25	4.25
70-73	2	2.0	2.5	3.0	4.0
67-69	1	1.5	2.0	2.5	3.5
64-66	1	1.25	1.75	2.25	3.25
60-63	1	1.0	1.5	2.0	3.0
0-59	0	0	0	0	0
S	4	4.25	4.75	5.25	6.25

Honor Roll

Awarding honors is done on a quarterly basis.

Principal's Honor Roll

A's in all subjects

First Honors

3.5 GPA with no grade below a B

Second Honors

3.0 GPA with no grade below a C

Forgiveness Program

Spring/Summer School Program

Since Archbishop McCarthy High School issues semester credit for all courses, remediation for a failure occurs at the conclusion of each semester (January and June). We believe that immediate remediation is most beneficial for the student. When a semester credit is failed, the student must make up the credit immediately. The student must see his/her counselor in the Guidance Office.

College Planning

College planning begins when the student enters high school. It is the expectation of both the school and families that each student will be preparing for college upon admittance to Archbishop Edward A. McCarthy High School. Colleges and universities vary in their entrance requirements. Therefore, students should familiarize themselves with the requirements of the college or university they may be considering. It is important that this be kept in mind when selecting courses throughout high school. Students should select challenging courses based upon ability and prior academic performance. As stated in the Parent/Student Handbook, *it is the responsibility of the students and their parents* to become familiar with the number of academic credits, the GPA, SAT and ACT scores required for the entrance into colleges and universities.

FOUR YEAR PLANNING SHEET

Courses	Credits Required	Grade 9	Grade 10	Grade 11	Grade 12
Language Arts English	4				
Theology	4				
Mathematics (Algebra I, II, & Geometry required)	4				
Science (2 must have labs)	3				
Social Studies World History (1) Am. History (1) Am. Government (0.5) Economics (0.5)	3	X			
Physical Education Personal Fitness, Beginning Weight Training, Team Sports Health	1 0.5 0.5				
Practical Fine Arts	1				
Foreign Language	2				
List three alternates for the current year you are planning for: Electives	2				

**Carefully review the course descriptions & prerequisites.*

The background of the page features a blurred image of a globe at the top and a document with a table below it. The table has several columns and rows, with some numbers and text visible, though they are out of focus. The overall color scheme is warm, with shades of orange and yellow.

Archbishop McCarthy High School

2022-2023

Course Descriptions

NOTE: ASTERISKS PROCEEDING COURSE NAME INDICATE ADDITIONAL WEIGHT GIVEN.

THEOLOGY DEPARTMENT COURSE DESCRIPTIONS

0083/0084 FAITH AND REVELATION/CHRISTOLOGY (2109410)

+Grade Level: 9

+Credits: 1/2 credit per semester

Semester 1: Faith and Revelation

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

Semester 2: Christology

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 ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

0081/0082 THE PASCHAL MYSTERY/ECCLESIOLOGY (2100370)

+Grade Level: 10

+Credits: 1/2 credit per semester

+Prerequisite: 9th grade Theology

Semester 1: The Paschal Mystery

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.

Semester 2: Ecclesiology

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.

0079 SACRAMENTS: MULTICULTURAL STUDIES (2104600)

+Grade Level: 11/Semester 1

+Credits: 1/2

+Prerequisite: 10th grade Theology

+Note: This course fulfills the virtual credit requirement.

The purpose of this course is to help the students understand that they can encounter Christ today in a full and real way in and through the Sacraments, especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life.

0080 MORALITY: ETHICS (2105350)

+Grade Level: 11/Semester 2

+Credits: 1/2

+Prerequisite: 10th grade Theology

+Note: This course fulfills the virtual credit requirement.

The Purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plan for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

0077 WORLD RELIGIONS (2105310)

+Grade Level: 12/Semester 1

+Credits: 1/2

+Prerequisite: 11th grade Theology

+Note: NCAA approved/This course fulfills the virtual credit requirement.

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic faith.

0078 CHURCH HISTORY (2109350)

+Grade: 12/Semester 2

+Credits: 1/2

+Prerequisite: 11th grade Theology

+Note: This course fulfills the virtual credit requirement.

The purpose of this course is to supply the students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2000 years of history and about how the Church is led and governed by the successors of the Apostles.

ENGLISH DEPARTMENT COURSE DESCRIPTIONS

1023 ENGLISH I (1001310)

+Grade Level: 9

+Credits: 1

+Prerequisite:

+Note: Based on Entrance Exam / NCAA Approved

English I is a required course for all freshmen currently demonstrating grade level skills. Emphasis will be placed on vocabulary, world literature, writing, grammar, and critical thinking. The contribution of this course to the goals of the program is introductory in nature. Study and organizational skills will be reviewed and emphasized. Library skills, basic research, research projects, and technology are included.

1043 ENGLISH I HONORS ** (1001320)

+Grade Level: 9

+Credits: 1

+Prerequisite:

+Note: Based on Entrance Exam / NCAA Approved

English I Honors is designed for freshmen who have demonstrated above grade level skills in prior work and test scores. Emphasis will be placed on vocabulary, world literature, writing, grammar, usage, punctuation, analysis, and critical thinking. The contribution of this course to the goals of the program is introductory in nature. Study and organizational skills will be reviewed and emphasized. Media skills, basic research, and technology are included. An MLA in-text citation research paper is required.

1053 ENGLISH II (1001340)

+Grade Level: 10

+Credits: 1

+Prerequisite: English I

+Note: NCAA Approved

English II is a required course for all sophomores currently demonstrating grade level skills. This course emphasizes classic world literature, vocabulary, writing, grammar, usage, punctuation, analysis, critical thinking, speaking skills, and interdisciplinary projects. This course builds upon skills and vocabulary learned and reviewed in English I. Library skills, basic research, and technology are included. An MLA in-text research paper is required.

1063 ENGLISH II HONORS ** (1001350)

+Grade Level: 10

+Credits: 1

+Prerequisite: 3.25 GPA; Honors grade of 80+ or College Prep grade of 90+

+Note: NCAA Approved

English Honors II is designed for sophomores who have demonstrated above grade level skills in English I. This course emphasizes classic world literature, vocabulary, writing, grammar, usage, punctuation, analysis, critical thinking, speaking skills, and interdisciplinary projects. This course builds upon skills and vocabulary learned in English I Honors. Problem-solving skills are reviewed and emphasized. Research and technology are included. An in-depth MLA in-text research paper is required.

1103 ENGLISH III (1001370)

+Grade Level: 11

+Credits: 1

+Prerequisite: English II

+Note: NCAA Approved

English III is a required course for all juniors currently demonstrating grade level skills. This course emphasizes American literature, writing, critical thinking, analysis, research, vocabulary, speaking skills, and interdisciplinary projects. This course builds upon the skills learned and reviewed in English II. Research and technology are included. An in-depth MLA in-text citation research paper is required.

1113 ENGLISH III HONORS** (1001380)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; Honors grade of 80+ or College Prep grade of 90+

+Note: NCAA Approved

English III Honors is for juniors who have demonstrated well above grade level skills in English II. This course emphasizes American literature, writing, critical thinking, research, vocabulary, speaking skills, resumes, college essay, and interdisciplinary projects. Problem-solving and analytical skills will be emphasized. This course builds upon the skills learned and reviewed in English II Honors. Research and technology are included. An in-depth MLA in-text citation research paper project is required.

1114 ENGLISH III HONORS DUAL ENROLLMENT*** (1001380)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; English II Honors grade of 80+

+Note: This course is Dual Enrollment only/Registration and additional fee required/(Composition & Literature ENC1101/ENC1102) NCAA Approved / Summer Reading Required

English III Honors Dual Enrollment is for juniors who have demonstrated well above grade level skills in English II Honors. This course emphasizes American literature, writing, critical thinking, research, vocabulary, speaking skills, resumes, college essay, and interdisciplinary projects. Problem-solving and analytical skills will be emphasized. This course builds upon the skills learned and reviewed in English II Honors. The course emphasizes the building of an active vocabulary enhancing written skills through papers and examinations on assigned reading and substantial in-class writing experiences. Research and technology are included. An in-depth MLA in-text citation research paper project is required. Summer reading is required.

1304 ADVANCED PLACEMENT ENGLISH: LANGUAGE AND COMPOSITION *** (1001420)

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.50 GPA; English II Honors grade of 90+

+Note: AP form due at Course Selection /Additional fee / NCAA Approved / Summer Reading Required

This college level course introduces students to American Literature and helps them become skilled readers of nonfiction and fiction, including essays, novels, and poetry. Writing is an important part of preparing students for the AP exam. Several varieties of writing styles will be covered to sharpen analytical skills. Summer reading is required.

1253 ENGLISH IV (1001400)

+Grade Level: 12

+Credits: 1

+Prerequisite: English III

+Note: NCAA Approved

English IV is a required course for all seniors currently demonstrating grade level skills. It is a course emphasizing international literature, including modern and historical literature of Eastern, Western, African, Latin, and American cultures to understand various literary movements. This course builds upon skills learned and reviewed in English III, including writing, analysis, critical thinking, speaking, vocabulary, and research skills. An MLA in-text citation research paper is required.

1263 ENGLISH IV HONORS ** (1001410)

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.25 GPA; Honors grade of 80+ or College Prep grade of 90+

+Note: NCAA Approved

English IV Honors is designed for seniors who have demonstrated exceptional skills in English III. It is a course where students develop their independent study and learning skills using texts of high complexity by studying international works with an emphasis on British literature and the cultural and historical forces which influenced them and to develop an understanding of various literary movements. This course builds upon the skills learned and reviewed in English III Honors. MLA in-text citation research projects are required.

1265 ENGLISH IV HONORS DUAL ENROLLMENT * (1001410)**

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in English III Honors Dual Enrollment (ENC 1101/1102)

+Note: This course is Dual Enrollment only/Registration and additional fee required/(Survey of English Literature I & II ENL 2012/2022) / NCAA Approved / Summer Reading Required

English IV Honors is designed for seniors who have demonstrated exceptional skills in English III Honors Dual Enrollment. It is a course where students develop their independent study and learning skills using texts of high complexity by studying international works from Eastern, Western, African, American, and Latin cultures to learn the relationships of the cultural and historical forces which influenced them and to develop an understanding of various literary movements. The course acquaints students with the rich cultural heritage of the West, and the continuity of literary traditions. It builds upon the skills learned and reviewed in English III Honors. MLA in-text citation research projects are required. Summer reading is required.

1305 ADVANCED PLACEMENT ENGLISH: LITERATURE AND COMPOSITION * (1001430)**

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.50 GPA; AP English Lang & Comp grade of 80+ or English III Honors grade of 90+

+Note: AP form due at Course Selection /Additional fee / NCAA Approved / Summer Reading Required

This is a college level course intended for seniors with exceptional ability in reading, literary analysis, and expository writing. Students read college level literature and participate in seminar discussions, write focused papers, and take essay tests and exams. Areas of study include novels, Shakespearean drama, Greek tragedy and mythology, short stories, poetry, and essays. The course stresses attention to details, higher level thinking skills, and active class participation. Students take the AP Exam in May. Summer reading is required.

MATHEMATICS DEPARTMENT COURSE DESCRIPTIONS

3026 ALGEBRA I (1200310)

+Grade Level: 9

+Credits: 1

+Note: Placement Based on Entrance Exam / NCAA Approved

Algebra I requires that the student has mastered all basic mathematical skills. It includes a review of real numbers, set theory, evaluating algebraic expressions, simple equations and problems, operations with monomials and polynomials, first degree equations and inequalities in one variable, factoring, graphs of linear open sentences in two variables, fractional equations, solving word problems in one and two variables, ratio, proportion, variation, and systems of open sentences in two variables.

3033 ALGEBRA I HONORS ** (1200320)

+Grade Level: 9

+Credits: 1

+Note: Placement Based on Entrance Exam / NCAA Approved

Algebra I Honors is a rigorous course for the advanced mathematics student. Topics will include, but not be limited to, operations and properties used within the real number system, algebraic and graphing solutions of first and second degree equations and inequalities in one and two variables, relations and functions, direct and inverse variation, word problems, and operations with polynomials, factoring, quadratic equations, exponents, radicals, and complex numbers.

3043 GEOMETRY * (1206310)

+Grade Level: 9-10

+Credits: 1

+Prerequisite: Algebra I grade of 70+; or Algebra II for Sophomores grade of 90+

+Note: NCAA Approved

Geometry is designed to develop an understanding of the meaning and nature of proofs relating to polygons, and the ability to think creatively and critically in mathematical situations. The course includes a study of terms involving points, lines and planes, as well as three-dimensional geometry, with emphasis on triangles and other polygons, and circles. A study of coordinate geometry is included, as well as areas and volumes, and constructions.

3083 GEOMETRY HONORS ** (1206320)

+Grade Level: 9-10

+Credits: 1

+Prerequisite: 3.25 GPA; Algebra I Honors grade of 80+ or Algebra I grade of 90+

+Note: NCAA Approved

Geometry Honors is a fast-paced course designed to develop an understanding of geometric relationships, the meaning and nature of proofs, and the ability to think creatively and critically. The course includes a review of terms involving points, lines, and planes, and an in-depth study of both plane and three-dimensional geometry with emphasis on triangles and other polygons, and circles. Coordinate geometry is included in the course as well as a study of areas, volumes, and constructions.

3123 ALGEBRA II * (1200330)

+Grade Level: 9-11

+Credits: 1

+Prerequisite: Geometry grade of 70+

+Note: NCAA Approved

This course reviews and builds on concepts from Algebra I. Topics will include operations and properties within the real number system, algebraic and graphing solutions of first and second degree equations and inequalities, direct and inverse variation, and operations with polynomials including factoring, quadratic equations, exponents, and radicals. A study of logarithms, complex numbers, the conic sections, and trigonometry are included.

3063 ALGEBRA II HONORS ** (1200340)

+Grade Level: 9-11

+Credits: 1

+Prerequisite: 3.25 GPA; Geometry Honors grade of 80+ and Algebra I Honors grade of 80+/
Geometry grade of 90+ and Algebra I grade of 90+

+Note: NCAA Approved

Algebra II Honors/Trigonometry is a fast-paced course, which is a continuation of concepts from Algebra I Honors. The course consists of a study of the number system, including systems of equations and inequalities and their graphs, polynomials, rational expressions, irrational values and complex numbers, quadratic functions and their graphs, conic sections, and exponential and logarithmic functions. A study of trigonometry will be an integral part of this course.

3343 ALGEBRA II FOR SOPHOMORES (1200330)

+Grade Level: 10-11

+Credits: 1

+Prerequisite: Algebra I

+Note: NCAA Approved

This course reviews and builds on concepts from Algebra I. Topics will include operations and properties within the real number system, algebraic and graphing solutions of first and second degree equations and inequalities, direct and inverse variation and operations with polynomials including factoring, quadratic equations, exponents, and radicals. A study of logarithms, complex numbers, and the conic sections are included.

3513 GEOMETRY FOR JUNIORS (1206310)

+Grade Level: 11

+Credits: 1

+Prerequisite: Algebra II Sophomores

+Note: NCAA Approved

Geometry for Juniors combines concepts from geometry with a continuation of Algebra I. Emphasis is on applications of analytic geometry; students will reinforce skills from Algebra I by applying those skills in a geometry setting. The course will include a study of points, lines, and planes, with a focus on problem-solving involving triangles and other polygons, and circles. Coordinate geometry will be a part of the course.

3407 MATHEMATICS FOR COLLEGE ALGEBRA (1200710)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 70 + in Algebra II or 90+ in Geometry for Juniors

+Note: NCAA Approved

The purpose of this course is to enable students to develop advanced mathematics knowledge and skills in algebra. This includes systems of equations and inequalities and their graphs, polynomials, rational expressions, irrational values and complex numbers, quadratic functions and their graphs, and

exponential and logarithmic functions. Additional concepts taught will include statistical measures and distributions and probability. This course is designed to help prepare students for success in college level mathematics.

3408 MATHEMATICS TOPICS FOR COLLEGE (1200710)

+Grade Level: 12

+Credits: 1

+Prerequisite: Geometry for Juniors

+Note:

This is a course for the student who wishes to enhance his/her algebra and geometry skills in preparation for college. The course is designed to help the student develop more proficiency with mathematics skills by expanding the understanding of mathematical concepts through improved logical thinking, and by promoting self-confidence and success with mathematics. The course will emphasize algebra and geometry skills. This course aligns with the competencies necessary for entry-level college courses.

3213 PRECALCULUS HONORS ** (1202340)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.25 GPA; Algebra II with recommendation

+Note: NCAA Approved

PreCalculus develops algebraic skills through review and introduction of new topics, including the theory of equations, exponents, and logarithms. Graphing polynomial equations and finding rational and irrational roots are explored. Trigonometry is developed through the concept of circular functions. Trigonometric equations, identities, and graphing trigonometric functions are included.

3215 PRECALCULUS HONORS ADVANCED** (1202340)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.25 GPA; 90+ in Algebra II or 80+ in Algebra II Honors

+Note: NCAA Approved

PreCalculus Advanced develops algebraic skills through review and introduction of new topics, including the theory of equations, sequences and series, exponents, probability, and logarithms. Graphing polynomial equations and finding rational and irrational roots are explored. Trigonometry is developed through the concept of circular functions. Trigonometric equations, identities, and graphing trigonometric functions are included. Additional topics include rotation of conics, parametric equations, polar coordinates and vectors. The pace and rigor of this course prepare the student for Calculus honors (if prerequisites are met).

3364 CALCULUS HONORS *** (1202300)

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in PreCalculus/Analytic Geometry Honors or 80+ in PreCal Honors Advanced

Note: Dual Enrollment Eligible/ Registration and additional fee required for Dual Enrollment credit/ subject to change due to enrollment and instructor availability. (Calculus I MAC2311) / NCAA Approved

This is a one-year course in Calculus. Students will learn various skills involving differentiation and its applications, exponential and logarithmic functions, integration and its applications, with a review of PreCalculus material integrated throughout.

3493 PROBABILITY & STATISTICS HONORS ** (1210300)

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in PreCalculus/Analytic Geometry Honors, PreCalculus Honors, PreCalculus Honors Advanced or Calculus Honors.

+Note: Open to any 11th & 12th grader as an addition to a regular Math Course.

NCAA Approved

Students will learn the concept of probability and its properties, descriptive statistics, discrete and continuous random variables, combinations; expected value, the central limit theorem, curve fitting, distribution functions, random sampling, and sampling distributions. Topics will also include counting principles, permutations, probability outcomes and events. Many “real world” applications will be presented in the course.

3204 ADVANCED PLACEMENT CALCULUS AB * (1202310)**

+Grade Level: 11-12

+Credits: 1

+Prerequisite: 3.50 GPA; 90+ in PreCalculus/Analytic Geometry Honors or Calculus Honors

+Note: AP form due at Course Selection/ Additional fee / NCAA Approved

Calculus is abstract in its content and designed for those who wish to study mathematics, science, or engineering in college. The course is equivalent in content to four or six college credit hours in Calculus. Advanced Placement and/or St. Thomas University credit may be earned.

The course will include a study of limits, differentiation and applications of differentiation, integration and applications of integration and inverse functions. Students who elect this course are required to sit for the AP Calculus AB examination.

3205 ADVANCED PLACEMENT CALCULUS BC * (1202320)**

+Grade Level: 12

+Credits: 1

+Prerequisite: 3.5 GPA; 80+ in AP Calculus AB

+Note: AP form due at Course Selection / Additional fee / NCAA Approved

AP Calculus II BC is a continuation of the concepts that are discussed in AP Calculus I AB. Topics include different techniques of integration and improper integrals. Polynomial approximations of sequences and infinite series are included. Parametric equations and the use of plane curves and polar graphs are part of this course. Concepts of vectors within planes, lines and surfaces in space are also discussed. Students who elect this course are required to sit for the AP Calculus II BC examination.

3615 ADVANCED PLACEMENT STATISTICS * (1210320)**

+Grade Level: 11-12

+Credits: 1

+Prerequisites: 3.50 GPA; 90+ in PreCalculus/ Analytic Geometry Honors or 90+ in PreCalculus Honors Advanced or 90+ in Probability & Statistics Honors

+Note: AP Fee due at Course Selection/NCAA Approved

The purpose of the AP course in statistics is to introduce students to major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

SCIENCE DEPARTMENT COURSE DESCRIPTIONS

2023 BIOLOGY I (2000310)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: Based on Entrance Exam/ NCAA Approved

At the conclusion of this course the student will have a thorough knowledge of the development of biological principles starting with simple levels of biological organizations and progressing to more complex levels. Emphasis is placed on the fundamental unity among the diverse forms of life, the relationship between form and function, health and diseases and the relationship between God and the biological sciences. Laboratories are used to reinforce scientific investigation. Microscope use and simple animal dissections are introduced.

2033 BIOLOGY I HONORS ** (2000320)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Based on Entrance Exam scores, standardized test scores and grades.

+Note: NCAA Approved

The Biology I Honors course is designed for the academically accelerated students who wish to explore biology in more detail and further their career in science. At the conclusion of this course the student will have a thorough knowledge of advanced exploratory experiences and activities in the fundamental concepts of life. Emphasis is placed on the fundamental unity among the diverse forms of life, the relationship between form and function, as well as topics concerned with health and diseases and the relationship between God and the biological sciences. Microscope use and simple animal dissections, laboratory safety and use of apparatus are introduced.

2073 CHEMISTRY I * (2003340)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: Completion of Biology with Algebra I grade of 70+

+Note: NCAA Approved

This course introduces the student to topics in inorganic chemistry. At the conclusion of this course the student will have a thorough knowledge of the composition, properties, and changes associated with matter and their applications. Laboratory investigations, the use of scientific methods, measurement, laboratory apparatus, and safety procedures, are an integral part of this course. This course also includes the use of mathematical processes, graphical representation, and data analysis.

2063 CHEMISTRY I HONORS ** (2003350)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Biology I Honors or 90+ in Biology I with 80+ in Algebra I Honors or 90+ in Algebra I

+Note: NCAA Approved

This course is designed for the academically accelerated students who wish to expand their knowledge in chemistry preparing them for a career in science. The course is designed to familiarize the students with the relationship between structure and the properties of matter and increase their appreciation for structure and behavior of the world around them. Students will discover and work with quantitative

relationships that are fundamental to chemical reactions and the structure of matter. This course also includes the use of mathematical processes, graphical representation, and data analysis. The course is taught with a hands-on approach with numerous laboratory experiences.

2483 MARINE SCIENCE (2002500)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Biology I

+Note: NCAA Approved

At the conclusion of this course, the student will have a thorough knowledge of the marine environment, including physical, chemical, and biological processes. The content will include but not be limited to the diversity of marine organisms, physical and biological characteristics of the planktonic, benthic and nektonic regions and potential resources of the oceans. Laboratory activities and field work will reinforce the concepts covered in class.

2523 MARINE SCIENCE HONORS** (2002510)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Biology I Honors or Anatomy Honors or 90+ in Biology I or Anatomy; and 80+ in English Honors or 90+ in College Prep English

+Note: Only one Marine Science course can be used to meet the Science requirement.

NCAA Approved

The purpose of this course is to provide an in-depth study of the marine environment. The content should include, but not be limited to, the following: the nature of science; geology of the ocean floor, the structure, functions, and behavior of marine organisms; interrelationships in the marine environment; the chemistry of seawater; climate changes; energy; waves, tides and cycles; influence of technology on the use and misuse of the ocean by man. Laboratory investigations of selected topics in the content, which also include the use of scientific method, measurement, laboratory apparatus, and safety procedure, are an integral part of this course.

2103 EARTH/SPACE SCIENCE (2001310)

+ Grade Level: 10-12

+ Credit: 1

+ Prerequisite: Biology I

This course focuses on the study of space, and the geologic and atmospheric forces that shape our world. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, and safety procedures are an integral part of this course. Through experimentation and investigation, you will explore Earth's cycles, including the geosphere, hydrosphere, cryosphere, atmosphere and carbon cycle.

2583 ANATOMY AND PHYSIOLOGY * (2000350)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: Biology I

+Note: NCAA Approved

This course is geared for the average student interested in pursuing a career in the medical field. The purpose of this course is to provide exploratory activities in the structures and functions of the components of the human body, as well as, current medical information. Laboratory investigations of

selected topics in the content, which also include the use of scientific method, measurement, laboratory apparatus, and safety procedures, are an integral part of this course. Practical laboratory activities are enforced.

2203 ANATOMY AND PHYSIOLOGY HONORS ** (2000360)

+Grade Level: 9-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Biology I Honors or Marine Science Honors, or 90+ in Biology I or Marine Science; and 80+ in English Honors or 90+ in College Prep English

+Note: NCAA Approved

This course is geared for the above average student who is interested in pursuing a career in the medical field. It provides a comprehensive survey of the anatomy and physiology of cells, tissues, organs, and systems of the human body. Familiarizes the student with the structure of the human body and the way it functions by systematic study of prospecting models. This course is enhanced by a selection of videos, slides and guest speakers. Hands-on dissecting experiences, comprehensive laboratory and practical testing are included.

2173 PHYSICS I HONORS ** (2003390)

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.25 GPA; 80+ in Geometry or higher-level math course; and 80+ in English Honors or 90+ in College Prep English

+Note: NCAA Approved

At the conclusion of this course the student will have a thorough knowledge of the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications through exploratory investigations and activities. This course shall include laboratory investigations, which incorporate the use of measurement, problem solving, laboratory apparatus, safety procedures, and experimental procedures. This course also includes the mathematical processes, graphical representation, and data analysis.

2556 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE * (2001380)**

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; Successful completion of Biology and Chemistry (minimum grade of 80+ for both). Completion of at least one science course at honors level with a grade of 90+; Current English Honors grade of 80+ or College Prep English grade of 90+.

+Note: AP form due at course selection / Additional fee / NCAA Approved /

At the conclusion of this course, the student will have a thorough knowledge of the ways that humans interact with the natural environment. The content includes but is not limited to scientific analysis, fundamental principles and concepts about the interdependence of earth's systems, population dynamics, distribution, ownership, and use degradation of renewable and non-renewable resources, environmental quality, global changes, and choices for the future. Lectures are reinforced with laboratory investigations of selected topics in the content. All students are required to take the AP exam.

2324 ADVANCED PLACEMENT BIOLOGY * (2000340)**

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; 80+ in Biology and Chemistry, with at least one of these courses at honors level with a grade of 90+ and English Honors grade of 80+. Any student in a current AP science class with an 80+ may remain in any subsequent science course.

+Note: AP form due at Course Selection /Additional fee /NCAA Approved /Summer Packet Required
This course is designed to provide a study of the facts, principles, and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. Laboratory investigations of selected topics in the content, which also include the use of scientific method, measurement, laboratory apparatus and safety procedures, are an integral part of this course. Additional time is required for lab activities weekly. All students are required to take the AP exam.

2134 ADVANCED PLACEMENT CHEMISTRY * (2003370)**

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; Chemistry Honors grade of 90+; currently enrolled in Algebra II Honors or higher level math course; and English Honors grade of 80+ or College Prep English grade of 90+

+Note: AP form due at Course Selection / Additional fee / NCAA Approved / Summer Packet Required
The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. It provides an in-depth understanding of fundamentals and a reasonable competence in dealing with chemical problems. Topics such as chemical equilibria, kinetic theory of gases, chemical kinetics and the basic mathematical formulation of principles and concepts will be covered. Laboratory investigations of selected topics in the content are an integral part of this course. Additional time is required for lab activities weekly. All students are required to take the AP exam.

2624 ADVANCED PLACEMENT PHYSICS 1 (2003421)

+Grade Level: 10-12

+Credit: 1

+Prerequisite: 3.50 GPA; Physics Honors grade of 90+; 80% in Algebra II Honors or higher-level math course; and English Honors grade of 80+ or College Prep English grade of 90+.

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

SOCIAL STUDIES DEPARTMENT COURSE DESCRIPTIONS

7013 WORLD HISTORY (2109310)

+Grade Level: 10

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

The World History course provides a survey of the world's past and a framework for students to discover the events and ideas that have shaped the modern global community. Incorporating geographical skills as an integral part of understanding history, the course follows a progression of historical events from the beginnings of the human experience through the 20th century. Students will gain a greater appreciation for the relationships that exist among important political, scientific, social, and cultural trends while exploring the geography of the regions under study. Students will also develop analytical and writing skills necessary for continued success in the social studies.

7023 WORLD HISTORY HONORS ** (2109320)

+Grade Level: 10

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in English Honors; 90+ in College Prep English

+Note: NCAA Approved

The Honors World History/Geography provides a survey of the world's past and a framework for students to discover the events and ideas that have shaped the modern global community. Incorporating geographical skills as an integral part of understanding history, the course follows a progression of historical events from the beginnings of the human experience through the 20th century. Students will gain a greater appreciation for the relationships that exist among important political, scientific, social, and cultural trends while exploring the geography of the regions under study. Students will also develop analytical and writing skills necessary for continued success in the social studies. This honors-level course is, by design, more challenging than the college prep course. While providing the framework for reasoned consideration of the larger historical themes and analysis, it offers more in-depth exploration of material along with more rigorous project development, writing assignments and examinations.

7305 ADVANCED PLACEMENT WORLD HISTORY: MODERN *** (2109420)

+Grade Level: 10

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP Human Geography or 90+ in English Honors

+Note: AP form due at Course Selection/Additional fee/Summer Reading and Assignment Required

The Advanced Placement course in World History is designed to provide students with the analytical skills and content knowledge necessary for success on the AP examination in World History. This course makes demands on the students equivalent to that of a full-year introductory college-level course, and incorporates rigorous reading and writing assignments designed to prepare students for the Advanced Placement exam at the end of the year. Students also 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. All students enrolled in this course must sit for the Advanced Placement exam.

7073 U.S. HISTORY (2100310)

+Grade Level: 11

+Credits: 1

+Prerequisite: World History

+Note: NCAA Approved

The United States History takes a chronological and conceptual approach to the study of the American experience. Major themes, events and individuals involved in the development of the U.S. from its colonial origins to its position as a world power in the modern era will be covered. Students will develop the critical reading and writing skills necessary for success in the social sciences and humanities in college.

7093 U.S. HISTORY HONORS ** (2100320)

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ World History Honors or 90+ College Prep World History

+Note: NCAA Approved

The Honors United States History course surveys the American experience from the pre-colonial times to the modern day. Using the ideals upon which this nation was founded, students will gain a greater appreciation of the political realities that often conflict with those ideals. Students will analyze the American experience from a variety of perspectives, arrive at conclusions based on informed judgments, and support those conclusions with evidence. This honors-level course is, by design, more challenging than the college prep course. While providing the framework for reasoned consideration of the larger historical themes and analysis, it offers more in-depth exploration of material along with more rigorous project development, writing assignments and examinations.

7094 U.S. HISTORY HONORS DUAL ENROLLMENT * (2100320)**

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.25 GPA; 80+ in AP World History or 90+ in World History Honors

+Note: This course is Dual Enrollment only/Registration and additional fee required/Summer Reading and Assignment required/AMH2010/2020) / NCAA Approved

The U.S. History Honors Dual Enrollment course is designed to provide students with an academic experience equivalent to that of a full-year introductory college-level history course. Accordingly, this curriculum makes demands on students that incorporate rigorous reading, writing, and project-based assignments that develop collegiate analytical skills and content knowledge. Students 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.

7104 ADVANCED PLACEMENT U.S. HISTORY * (2100330)**

+Grade Level: 11

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP World History or 90+ in World History Honors

+Note: AP form due at Course Selection /Additional fee / Summer Reading and Assignment Required.

The Advanced Placement course in United States History is designed to provide students with the analytical skills and content knowledge necessary for success on the AP examination in US History. This course makes demands on the students equivalent to that of a full-year introductory college-level course and incorporates rigorous reading, writing, and project-based assignments designed to prepare students for the Advanced Placement exam at the end of the year. Students 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. All students enrolled in this course must sit for the Advanced Placement.

7181 ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS *** (2106420)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.50 GPA; 80+ in AP U.S. History or 90+ in American History Honors

+Note: AP form due at Course Selection /Additional fee / Summer Reading and Assignment Required
NCAA Approved

This course serves as a survey of the political landscape of the United States and the structure of the federal government as outlined in the U.S. Constitution. American government is a multi-faceted institution and our approach will be multi-dimensional. Particular attention will be given to the three branches of government and the federal bureaucracy, but we will also examine the role political parties, the media, and special interest groups play in the formation of public policy. The development of civil rights and civil liberties will be explored in some detail towards the end of the course. This is a demanding course and will not only require that the students do their reading assignments prior to the class in which the material will be covered, but also that they do outside research on certain aspects of American Government. All students enrolled in AP United States Government and Politics must sit for the AP exam.

7190 U.S. GOVERNMENT (2106310)

+Grade Level: 12

+Credits: 1/2

+Prerequisite:

+Note: NCAA Approved

This course introduces the students to the interaction of politics and government in American society. Particular attention and time are devoted to the three branches of government and the federal bureaucracy. Students will take an active role in government through the use of simulations and will strengthen their critical thinking and analytical skills necessary for college. Topics to be covered include: Historical foundations, the Constitution, the three branches of government; state and local government; the American justice system and U.S. foreign policy.

7230 U.S. GOVERNMENT HONORS ** (2106320)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.25 GPA; 80+ in American History Honors or 90+ in College Prep American History

+Note: NCAA Approved

"We the people of the United States, in order to form a more perfect Union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America." (The Preamble to the United States Constitution)

So begins what some would call the greatest living document of the modern world, our constitution. This document built the foundation for the government of this country. As students develop an acquaintance with the Constitution, they will begin to see why it is a "living" document. This course will complement the student's study of United States History and is meant to give the student a more in-depth understanding of our government. Topics to be covered include: Historical foundations, the Constitution, the three branches of government, state and local government, the American Justice system, and U.S. foreign policy. This honors-level course is, by design, more challenging than the college prep course. While providing the framework for reasoned consideration of the political science and analysis, it offers more in-depth exploration of material along with more rigorous project development, writing assignments and examinations.

7201 ECONOMICS WITH FINANCIAL LITERACY (2102335)

+Grade Level: 12

+Credits: 1/2

+Prerequisite:

+Note: NCAA Approved

During this one-semester course, we explore the social science of Economics. Focusing on both the micro and macroeconomic issues/concepts that enhance an understanding of our dynamic and changing world, the course provides a practical foundation for addressing and shaping our future roles within the local, state, national, and global communities.

7202 ECONOMICS WITH FINANCIAL LITERACY HONORS ** (2102345)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.25 GPA; 80+ in American History Honors or 90+ in College Prep American History

+Note: NCAA Approved

This course offers an introduction to the basic principles of Economics. Focusing on both the micro and macroeconomic issues/concepts that enhance an understanding of our dynamic and changing world, the course provides a practical foundation for addressing and shaping our future roles within the local, state, national, and global communities. Students will examine how economic principles affect their daily lives as well as the institutional effect that has on society. Students will also explore the factors that influence the national economy including the governmental entities that shape national economic policy. This honors-level course is, by design, more challenging than the college prep course. While providing the framework for reasoned consideration of the larger economic themes and analysis, it offers more in-depth exploration of material along with more rigorous project development, writing assignments and examinations.

7211 ADVANCED PLACEMENT MACROECONOMICS *** (2102370)

+Grade Level: 12

+Credits: 1/2

+Prerequisite: 3.50 GPA; 80+ in AP U.S. History or 90+ in American History Honors

+Note: AP form due at Course Selection / Additional fee / Summer Reading and Assignment Required / NCAA Approved

AP Macroeconomics is the equivalent of a one-semester college-level survey course in macroeconomics and incorporates rigorous reading and writing assignments designed to prepare students for the Advanced Placement exam at the end of the year. The purpose of the course is to provide students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course will emphasize the study of national income and price determination, as well as economic performance measures, economic growth and international economics. Some basic economic concepts will also be covered. All students are required to take the AP exam.

7485 ADVANCED PLACEMENT HUMAN GEOGRAPHY Excelsior*** (2103400)

+Grade Level: 9

+Credits: 1

+Prerequisite: Based on Entrance Exam Scores and admission to the Excelsior Scholars Program

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course introduces students to the importance of spatial organization- the location of places, people and events, and the connections between places and landscapes- in the understanding of human life on

Earth. They also learn about the methods and tools geographers use in their science and practice. All students are required to take the AP exam.

7488 ADVANCED PLACEMENT HUMAN GEOGRAPHY*** (2103400)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP World History, or 80+ in AP U.S. History or 90+ in English I Honors or 90+ in Honors World History or 90+ in Honors U.S. History

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. The course introduces students to the importance of spatial organization- the location of places, people and events, and the connections between places and landscapes- in the understanding of human life on Earth. They also learn about the methods and tools geographers use in their science and practice. All students are required to take the AP exam.

PHYSICAL EDUCATION DEPARTMENT COURSE DESCRIPTIONS

4010 PERSONAL FITNESS (1501300)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation.

This one-semester, state-required course provides students with an in depth analysis on health and wellness topics such as cardiovascular efficiency, muscular strength and endurance, body composition, nutrition, health problems, CPR, and an individualized exercise program development. Lectures and individual research in conjunction with weight training and aerobic exercise provide the student with a well-rounded fitness program. Individual fitness profiles are developed to assist the student in achieving and understanding optimal fitness levels appropriate to the student. Life-long wellness, positive nutritional habits and a concern for personal health are vital parts of the course.

4020 HEALTH I/LIFE MANAGEMENT SKILLS (0800300)

+Grade Level: 9-12

+Credits: 1/2

This one-semester, state-required course will assist students with the development of essential life management skills, including emotional and physical development, healthy nutritional habits, and practical skills necessary for daily life function. It is designed to enhance the quality of personal and family life through in-class projects and outside experiences. The course will cover personal skills and issues such as drug education, AIDS, cardiopulmonary resuscitation, nutrition, the hazards of smoking, and self-concept. Economic issues considered will include credit, budgeting, health care, employment and planning for the future, and other financial functions.

4100 BEGINNING WEIGHT TRAINING (1501340)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation. This physical education elective course does not meet the Practical/Fine Arts requirement.

The curriculum is designed to focus on the serious student athlete who wishes to enhance their knowledge of fitness conditioning, strategies, skills, and to enhance muscular strength and muscular endurance needed in their sport or activity. All students will go through pre, post, and intermittent evaluations in strength, power, muscular endurance, agility, speed, and flexibility. Students may use training principles, prescribed by their coach or those developed through the collaborative efforts of the teacher and student. Students will be required to keep daily records, perform teacher assisted self-evaluations every three weeks and dress appropriately in sneakers, shorts, and school t-shirt.

4152 SPORTS MEDICINE: CARE & PREVENTION OF ATHLETIC INJURIES *** (1502490)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 70+ in Biology

+Note: This course meets the Physical Education requirement for graduation.

This physical education elective course does not meet the Practical/Fine Arts requirement.

Dual Enrollment Eligible/ Registration and additional fee required for Dual Enrollment credit (Sports Medicine PET2302) **Offered during the summer only.**

The purpose of this course is for the student to acquire knowledge and skills relating to the nature, prevention, care, and rehabilitation of athletic injuries. The content includes but is not limited to injury prevention, identification, management, rehabilitation, anatomy and physiology, and career opportunities.

4101 TEAM SPORTS I (1503350)

+Grade Level: 9-12

+Credits: 1/2

+Note: This course meets the Physical Education requirement for graduation. This physical education elective course does not meet the Practical/Fine Arts requirement.

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

WORLD LANGUAGES DEPARTMENT COURSE DESCRIPTIONS

6023 SPANISH I (0708340)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

For students who do not have Spanish-speaking parents or have not been exposed to the language The students will develop basic communication skills in listening, reading, writing and speaking Spanish. First-year vocabulary, grammar and syntax will be emphasized. In addition, the students will be introduced to the customs and ways of life of the Spanish-speaking people of the world.

6043 SPANISH II (0708350)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish I

+Note: NCAA Approved

Spanish II reinforces the fundamental skills acquired by the students in Spanish I. The course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the Spanish-speaking people is continued.

6064 SPANISH III HONORS *** (0708360)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish II

+Note: NCAA Approved / This course is Dual Enrollment eligible. 3.0 GPA required for dual enrollment.

Registration and additional fee required for dual enrollment credit. (Introduction to Spanish I SPN 1101/SPN 1102)

The students will continue developing competency in the four communication skills of listening, speaking, reading and writing. Language areas of grammar and vocabulary will consist of more complex forms, and there will be a greater emphasis on the spoken language to encourage fluency. Literature will be introduced. Oral presentations of research projects and written compositions are an integral part of the course.

6294 ADVANCED PLACEMENT SPANISH LANGUAGE *** (0708400)

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.50 GPA; 90+ in Spanish III Honors, Spanish Heritage III Honors or Spanish Speakers III Honors

+Note: AP form due at Course Selection /Additional fee / NCAA Approved

This course stresses oral skills, reading comprehension and grammar, as well as extensive training in the organization and writing of essays. The students' speaking, reading and writing skills will be developed to attain fluency. All students are required to take the AP exam.

6213 SPANISH SPEAKERS I * (0709300)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

For students who have Spanish-speaking parents and have basic listening, speaking, and writing skills in the language.

The students will develop basic communication skills in listening, reading, writing and speaking Spanish. First-year vocabulary, grammar and syntax will be emphasized. Studying globally-accepted Spanish will enable the students to develop proper speaking, reading and writing skills, so that they will be prepared to converse with Spanish speakers worldwide. The students will also explore their own culture and traditions and share them with others in creative ways.

6233 SPANISH SPEAKERS II * (0709310)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish Speakers I

+Note: NCAA Approved

For incoming students who have Spanish-speaking parents.

Students will continue to develop reading and writing skills, preparing them to function in the international business world. Oral communication skills will be strengthened. The students will be introduced to the literature and culture of their heritage.

6274 SPANISH SPEAKERS III HONORS * (0709320)**

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Spanish Speakers II

+Note: NCAA Approved / This course is Dual Enrollment eligible. 3.0 GPA required for dual enrollment.

Registration and additional fee required for dual enrollment credit. (Intermediate Grammar, Composition, and Reading SPN 2200/SPN 2202)

This course is designed to strengthen the students' reading and writing skills, as well as reinforce their listening and speaking skills so that they may attain a high level of fluency. Selected readings of intermediate level Spanish and Spanish American authors will give students a panoramic view of the history and culture of the people of the Spanish-speaking world.

6924 ADVANCED PLACEMENT SPANISH LITERATURE * (0708410)**

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.50 GPA; 80+ in AP Spanish Language or 90+ in Spanish III Honors, Spanish Heritage III Honors or Spanish Speakers III Honors

+Note: AP form due at course selection / Additional fee / NCAA Approved

Open to both native and non-native Spanish speaking students.

This course covers selected works from all genres of the literatures of Spain and Spanish America. Students will discuss and analyze the form and content of these literary works in order to gain an in-depth understanding of each genre. All students are required to take the AP exam.

6145 SPANISH HERITAGE I* (0708340)

+ Grade Level: 9-12

+ Credits: 1

+ Prerequisite:

+Note: NCAA Approved

This course is designed for students of Hispanic heritage that have been exposed to the language, but are not fluent. Students will develop basic communication skills in listening, reading, speaking, and writing at a faster pace.

6146 SPANISH HERITAGE II* (0708350)

+ Grade Level: 9-12

+ Credits: 1

+ Prerequisite: Spanish Heritage I

+Note: NCAA Approved

The Spanish Heritage II course reinforces the fundamental skills acquired by the students in Spanish Heritage I. The course develops increased listening, speaking, reading, and writing skills, as well as, cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the Spanish-speaking people is continued.

6147 SPANISH HERITAGE III HONORS*** (0708360)

+ Grade Level: 9-12

+ Credits: 1

+ Prerequisite: Spanish Heritage II

+Note: This course is Dual Enrollment eligible. 3.0 GPA required for dual enrollment. Registration and additional fee required for dual enrollment credit (Introduction to Spanish I SPN 1101/SPN 1102).

The Spanish Heritage III Honors course expands the communication skills acquired by students in previous Spanish courses. Specific content includes, but is not limited to: reinforcement of the students' interpersonal communication skills; their ability to express ideas, feelings, and opinions in oral and written forms; further development of comprehension skills through the study of literary selections and reading and interpretation of works of target language writers, while developing an understanding of major literary movements.

6313 FRENCH I (0701320)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: NCAA Approved

In this course students will develop basic communication skills in listening, reading, writing and speaking French. First-year vocabulary, grammar and syntax will be emphasized. In addition, the students will be introduced to the customs and ways of life of the French-speaking people of the world.

6333 FRENCH II (0701330)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: French I

+Note: NCAA Approved

French II reinforces the fundamental skills acquired by the students in French I. The course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French I. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the French-speaking people is continued.

6354 FRENCH III HONORS * (0701340)**

+Grade Level: 9-12

+Credits: 1

+Prerequisite: 3.25 GPA; French II

The students will continue developing competency in the four communication skills of listening, speaking, reading and writing. Language areas of grammar and vocabulary will consist of more complex forms, and there will be a greater emphasis on the spoken language to encourage fluency. The course reviews grammar and syntax and includes advanced translation and composition, with emphasis on building essential business vocabulary and idioms, basic writing styles, and speech structures most frequently used in French correspondence and office communications.

6804 ADVANCED PLACEMENT FRENCH LANGUAGE * (0701380)**

+Grade Level: 10-12

+Credits: 1

+Prerequisite: 3.50 GPA; 90+ in French III Honors

+Note: AP form due at Course Selection /Additional fee / NCAA Approved

This course stresses oral skills, reading comprehension and grammar, as well as extensive training in the organization and writing of compositions. The students' speaking, reading and writing skills will be developed to attain fluency. All students are required to take the AP exam.

ELECTIVES INDEX PAGE

The following elective courses meet the Practical/Fine Arts requirement.

Digital Art Imaging I	Theatre III Honors
Digital Art Imaging II	Theatre Direction
Visual Technology I	Stage Management
2-D Studio Art I	Speech (offered summer only)
2-D Studio Art II	Dance Techniques I
3-D Art/Sculpture	Dance Techniques II
Portfolio Development: Drawing Honors	Foundations of Robotics
Advanced Placement Art Drawing Portfolio	Robotic Design Essentials
Film I (offered summer only)	Game and Simulation Foundations
Creative Photography	Computer Fundamentals
Yearbook I	Multimedia Technologies
Music Exploration	Communications Technology I
Drumming Techniques I	Business & Entrepreneurship Principles Honors
Drumming Techniques II	Finance and Business Technology Honors
Instrumental Ensemble	
Music Techniques I	
Music Technology and Sound Engineering I	
Music Technology and Sound Engineering II	
Introduction to Drama	
Theatre II	

The following elective courses do not meet the Practical/Fine Arts requirement.

Law Studies
 Court Procedures
 Constitutional Law Honors
 Psychology
 Sports Medicine (offered summer only)
 Beginning Weight Training
 Team Sports I
 AP Computer Science Principles
 AP Computer Science

COURSE DESCRIPTIONS FOR ELECTIVES

8012 DIGITAL ART IMAGING I (0108370)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students learn how to use Adobe Photoshop and Illustrator to edit photography and create original digital artwork on the computer. They learn basic concepts for creating graphics and communication art that can be used for web or print design. Students develop basic knowledge of computer graphic systems and how to produce computer-generated images. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

8013 DIGITAL ART IMAGING II* (0108380)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Digital Art Imaging I

+Note: This course meets the Practical/Fine Arts requirement.

Students explore and develop concepts, terminology, techniques, and applications to design, create, print and display original digital artwork. Students continue to create original works of digital art while continuing to learn skills and techniques in Adobe Photoshop and Illustrator. Students develop basic knowledge of computer graphic systems and how to produce computer-generated images. Through the critique process, students evaluate and respond to their own designs and images and those of their peers to measure artistic growth with increasing sophistication. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

8740 VISUAL TECHNOLOGY I (0107440)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original digital art in motion. Students produce animations using Adobe Animate, Stop Motion and iMovie. Students learn basic concepts for creating motion graphics and interactive design. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

8011 2-D STUDIO ART I (0101300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This is a studio course that will serve the student by enriching his or her experiences and understanding of the two-dimensional art world through a hands-on visual art experience. Students will learn to create

art utilizing various media including pencil, charcoal, pen & ink, pastel and paint. Students will also learn to communicate in proper terminology through class critiques and master artist studies, thus exercising personal development within these creative processes.

8014 2-D STUDIO ART II * (0101310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 2-D Studio Art I

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to give students an extensive experience in the artistic expression of ideas through two dimensional art media. It includes artistic qualities of original art, manipulative skills and organization, and aesthetic merit. Students will analyze the qualities of various dimensional works of art as they generate and critique ideas. Throughout the process they will design principles, develop and refine their skills and knowledge through appropriate self-expression using selected media.

8481 3-D ART/SCULPTURE * (0111310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 2-D Studio Art I & II

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to develop the student's fundamental skills necessary to communicate a range of ideas through the art of sculpture. It includes the use of tools and materials, art vocabulary, standard and unconventional materials, functional and nonfunctional form, elements of art, and principles of design. Students will use critical thinking and analysis to evaluate historical and cultural perspectives, connections between visual arts and other subject areas, and personal and social benefits.

8009 PORTFOLIO DEVELOPMENT: DRAWING HONORS ** (0109310)

+Grade Level 9-12

+Credits: 1

+Prerequisite: 2-D Studio Art I/II or 2 Digital Art classes and **Portfolio Interview Required**

+Note: This course meets the Practical/Fine Arts requirement.

Students in this course work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth. Portfolios must show personal vision and artistic growth, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem solving skills. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking and creative risk-taking.

8574 ADVANCED PLACEMENT ART DRAWING PORTFOLIO *** (0104300)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: 2-D Studio Art II; Digital Art Imaging I; Visual Technology I; Portfolio Development Drawing Honors; **Portfolio Interview Required**

+Note: This course meets the Practical/Fine Arts requirement. A Portfolio Review is required through the Fine Arts Department.

This is a two semester course. AP form due at Course Selection / Additional fee

The purpose of this course is to offer advanced students the opportunity to develop quality, concentration, discipline, and breadth in drawing. Students will develop skills in the perceptual and

conceptual aspects of drawing and two-dimensional design while also improving their techniques of preparation, presentation and evaluation of portfolio content. All students are required to take the AP exam.

8620 FILM I (0107410)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: **Offered during the summer only.** This course meets the Practical/Fine Arts requirement.

The purpose of this course is to provide opportunities for study and experience in the many aspects, roles, and careers associated with the film industry.

8005 CREATIVE PHOTOGRAPHY (0108310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

Students explore the aesthetic foundation of art-making using beginning photography techniques. Students learn basic elements and principles of composition design while capturing color and black and white photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Craftsmanship and quality are reflected in the student's digital portfolio. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group work. This course incorporates hands-on activities and consumption of art materials.

5017 YEARBOOK I (8739010)

+Grade Level: 9-12

+Credits: 1

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to extend fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop further knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.

8003 MUSIC EXPLORATION (1300300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: Critiques of outside performances will be required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop the knowledge and skills necessary to understand and appreciate how music is used in one's personal life as well as in varied cultures, societies, and historical periods. The content will include, but not be limited to, the following: singing, listening and playing instruments; music analysis; composition and improvisation; role and influence of music and musicians; connections between music and other subject areas.

8600 DRUMMING TECHNIQUES I (1302420)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop basic performance skills on various percussion instruments in a solo or small ensemble setting using varied high school literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized.

8601 DRUMMING TECHNIQUES II (1302430)

+Grade: 9-12

+Credits: 1/2

+Prerequisites: Drumming Techniques I

+Note: This course meets the Practical/Fine Arts requirement.

This course will provide instruction in performance techniques with emphasis placed on technical, music fundamentals, and listening skills. Students will evaluate and make appropriate adjustments to personal performance in solo and ensembles. Students will interpret and perform expressive elements indicated by the musical score and/ or the conductor. Students in this course continue to develop musical and technical skills through developmentally appropriate literature, etudes, scales, and exercises. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain musical equipment.

8004 INSTRUMENTAL ENSEMBLE (1302460)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this class is to develop basic musicianship and ensemble performance skills through the study of basic, high-quality music in diverse styles. Student musicians focus on building foundational music techniques, music literacy, listening skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school and may be required to obtain a musical instrument/mouthpiece.

8008 MUSIC TECHNIQUES I (1305500)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this class is to develop musical and technical skills on a specific instrument or voice through etudes, scales, and selected music literature. Through problem solving, critical thinking and reflection, students develop the skills to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school and may be required to obtain a musical instrument/mouthpiece.

8015 MUSIC TECHNOLOGY AND SOUND ENGINEERING I (1304300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The purpose of this course is to explore the fundamental applications and tools of music technology and sound engineering. As they create and learn its terminology, students also learn the history and aesthetic development of technology used to capture, create and distribute music. Public performances may serve as a resource for specific instructional goals. Students may be required to attend performances outside the school.

8016 MUSIC TECHNOLOGY AND SOUND ENGINEERING II (1304310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisites: Music Technology and Sound Engineering I

+Note: This course meets the Practical/Fine Arts requirement.

This course will enable students to apply performance, composing, and arranging techniques with the use of computers and MIDI instruments. The student will demonstrate appropriate knowledge of interfacing computers with instruments (MIDI) and perform various styles and idioms. Students build on previous experience with fundamentals of music technology and sound engineering to integrate their knowledge of traditional musical elements with past and current technologies used to capture, create, mix, and present music. Students explore the creative and aesthetic implications of music technology and sound engineering through class work. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

8100 INTRODUCTION TO DRAMA (0400300)

+Grade Level: 9-12

+Credit: 1/2

+Prerequisite:

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop fundamental skills in the multiple elements of theatre as a collaborative art. The content should include, but not be limited to, the following: acting and characterization; movement and vocal production; pantomime and improvisation; theatre terminology; script elements; theatre history and influences; playwriting; theatre production; artistic discipline; audience etiquette; roles and careers in theatre arts; relationships between theatre arts and other subject areas.

8101 THEATRE II * (0400320)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Intro to Drama

+Note: Performance required. Students will be required to actively participate in one of the program's semester productions. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop basic skills in the multiple elements of theatre as a collaborative art. The content should include, but not be limited to, the following: acting and characterization; movement and vocal production; pantomime and improvisation; theatre terminology; script elements; theatre history and influences; playwriting; role of the director; theatre

production; artistic discipline; audience etiquette; roles and careers in theatre arts; relationships between theatre arts and other subject areas.

8102 THEATRE III HONORS ** (0400330)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Theatre II

+Note: This course meets the Practical/Fine Arts requirement.

This course is designed for students with significant experience in theatre, and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

8370 THEATRE DIRECTION * (0400500)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Instructor appointment; student must have performed in at least two Mainstage plays and have been part of a stage crew in at least one Mainstage or One Act play.

+Note: After school rehearsals may be required and various performances will be mandatory both during and outside of school time. This course meets the Practical/Fine Arts requirement.

This advanced course will involve the production of a complete one-act play from script selection to final performance as well as allow the student to serve as a director and coach for other theatre students. Those selected for Advanced Directing will be scheduled to direct scenes and monologues for the district competition. Students utilize teacher-student contract packets to set deadlines, achieve goals, and showcase both their talent and the talent of those they work with.

8103 STAGE MANAGEMENT (0400410)

Grade Level: 10-12

Credits: 1/2

Prerequisite: Theatre II

Note: This course meets the Practical/Fine Arts requirement

This course is designed for students to learn how to select, organize, and mount formal and informal staged productions by means of exploring the leadership roles of director and stage manager. Students focus on the nature and responsibilities of the director and stage manager in relation to the entire production team.

8142 SPEECH (1007305)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: **Offered during the summer only.** NCAA Approved/This course meets the Practical/Fine Arts requirement.

The objective of this class is to be able to effectively deliver a speech, using proper diction and terminology, including the following: speech preparation, correct use of the English language, verbal and

nonverbal messages or signals, proper vocal projection, critical and creative self-analysis, connections between speech and other subject areas. Students are required to attend a minimum of 1 tournament during the course.

8560 DANCE TECHNIQUES I (0300310)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop basic knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context.

8580 DANCE TECHNIQUES II * (0300320)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Dance I

+Note: Performance required. This course meets the Practical/Fine Arts requirement.

The purpose of this course is to enable students to develop intermediate-level knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context.

5009 FOUNDATIONS OF ROBOTICS (9410110)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

A hands-on introductory engineering course featuring a project based approach to identify, formulate, and solve engineering problems. The objective of this course is to introduce students to the basic concepts of robot design and programming using the VEX V5 robotics system. Students will work in teams to design, build, and test increasingly more complex robots. Students will apply what they have learned through a series of exciting and challenging robot competitions.

5010 ROBOTIC DESIGN ESSENTIALS * (9410120)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Foundations of Robotics

+Note: This course meets the Practical/Fine Arts requirement.

This course provides a more in-depth study of the concepts of robot design including: systems, subsystems, electronics and specialized sensors. Using the state of the art VEX V5 robot platform and VEXcode programming software, students will gain valuable experience in the technology design process as they plan, design, construct, and program solutions to a variety of dynamic and challenging engineering projects. Throughout the course students will be actively engaged in the integration and application of technological systems, engineering concepts, scientific methodologies and 3D modeling.

5003 GAME AND SIMULATION FOUNDATIONS (8208110)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, storyboarding techniques, and development tools. Hands-on activities using an entry level game development tool such as Game Maker will be integrated into the curriculum. Regardless of topic sequencing, the culminating activity is the creation of a playable game.

5021 COMPUTER FUNDAMENTALS (9003410)

+Grade Level: 9-12

+Credits: .5

+Prerequisite: Algebra II

+Note: This course meets the Practical/Fine Arts requirement.

This course is intended to introduce students to programming microcontrollers (Arduino) within the context of programming methodology, algorithms, and data-structures. Students will learn to code effectively in a well-structured fashion using a C/C++ language. Students will explore electrical engineering topics such as electrical components, circuitry, schematics, and Ohm's Law. Students may collaborate and share their solutions with their peers. Students will use components such as LEDs, diodes, and resistors in their circuitry.

5022 MULTIMEDIA TECHNOLOGIES (9003470)

+Grade Level: 9-12

+Credits: .5

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This course is intended to extend students programming skills with microcontrollers (Arduino) within the context of project-based assignments. Students will extend their knowledge of microprocessors with communications, analog and digital transmission, interfacing with other microcontrollers and sensors. Communication may include Bluetooth, Wi-Fi, and network protocols. Students will use passive and/or active components in their circuitry. In groups, students should create a capstone project that focuses on a current issue.

5019 COMMUNICATIONS TECHNOLOGY I (8601010)

+Grade Level: 9-12

+Credits: .5

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

This course (formerly Television Production I) introduces students to various aspects of modern day communications technology specifically in the area of video production, including but not limited to writing, camera operation, and editing. Communications Technology I is a project based class with an emphasis on teamwork and collaboration with fellow students. The areas of studio operation, safety, media research, lighting, audio and video editing, and on-air presentation skills are all expanded on. The course is designed to expose students to the technology being used in the communications field where they can get hands-on experience with modern day software and technology and learn about all aspects of what goes into creating. By the completion of the course, students will have rotated through and gained basic knowledge in all roles such as writer, talent, camera operator, editor, director, as well as multiple positions on the crew, as it pertains to sound, lightning, and the control room and produce a

portfolio by course completion on all projects they were involved in.

5262 BUSINESS & ENTREPRENEURSHIP PRINCIPLES HONORS ** (8812110)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

A survey course in the principles underlying the management of all types of organizations, including objectives, policies, organization structure, coordination, control procedures, and environmental issues. Case studies are used extensively.

5008 FINANCE AND BUSINESS TECHNOLOGY HONORS (8815150)**

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Practical/Fine Arts requirement.

The main purpose of this course is to provide practical and generic financial skills regarding money management, wise credit decisions, saving and investing money, and wise use of consumer protection agencies. The content is designed to enable students to demonstrate proficiency in practical financial management activities, use of calculator in everyday living situations, and the performance of selected generic skills used in general business procedures.

7430 LAW STUDIES * (2106350)

+Grade Level: 11-12

+Credits: 1/2

+Prerequisite:

+Note: Offered during first semester only. This general elective course does not meet the Practical/Fine Arts requirement.

In this course, students learn that the American legal system is the foundation of American society. They will examine the components and processes associated with the American legal system and are provided with a comprehensive examination of the civil and criminal justice systems. Because of the nature of legal study, a considerable amount of writing will be expected.

7433 COURT PROCEDURES (2106390)

+Grade Level: 9-12

+Credits: 1/2

+Note: Offered during second semester only. This general elective course does not meet the Practical/Fine Arts requirement.

In this course, students will investigate the elements that make up our state and federal court system. Studies will include the structure, process and specific procedures of the criminal, civil and domestic courts. Students will be required to read and analyze a variety of court documents and prepare mock papers and writing assignments; will conduct several Mock Trials throughout the course.

7431 COMPREHENSIVE LAW HONORS ** (2106375)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: College Prep World History

+Note: This general elective course does not meet the Practical/Fine Arts requirement.

The Comprehensive Law course consists of the following area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content for the course pertains to the study of the components and processes associated with the American legal system and the comprehensive examination of the civil and criminal justice systems. Content also includes the historical antecedents and purpose for laws, the impact of social values on the establishment and interpretation of laws, causes and consequences of crime, evaluation of the adult and juvenile justice systems, significance of the Bill of Rights to the American legal system and elements of constitutionalism, civil and criminal law, family and consumer law, rights and responsibilities under the law, and the adversarial versus inquisitorial systems of justice. The course will address issues involved in Contract and Business Law with an emphasis on the Uniform Commercial Code. Students will learn about Real Property Law and some of the basics of Trust and Estate Law. This course will incorporate the development of a written appellate brief addressing a contemporary legal question and the presentation of oral arguments to defend their position legally. Students will be required to prepare research and writing assignments, and will conduct a Mock Trial as a final project.

7130 PSYCHOLOGY * (2107300)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: Biology

+Note: NCAA Approved/This general elective course does not meet the Practical/Fine Arts requirement. This is a survey course of general theories in human behavior giving students an introduction to Psychology as a social science. We will study various psychological concepts including, but not limited to, consciousness, biology and behavior, thinking, creativity, abnormal behavior and treatment, personality, development, and social behavior.

4100 BEGINNING WEIGHT TRAINING (1501340)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Physical Education requirement for graduation.

This physical education elective course does not meet the Practical/Fine Arts requirement.

The curriculum is designed to focus on the serious student athlete who wishes to enhance their knowledge of fitness conditioning, strategies, skills, and to enhance muscular strength and muscular endurance needed in their sport or activity. All students will go through pre, post, and intermittent evaluations in strength, power, muscular endurance, agility, speed, and flexibility. Students may use training principles, prescribed by their coach or those developed through the collaborative efforts of the teacher and student. Students will be required to keep daily records, perform teacher assisted self-evaluations every three weeks and dress appropriately in sneakers, shorts, and school t-shirt.

4152 SPORTS MEDICINE: CARE & PREVENTION OF ATHLETIC INJURIES *** (1502490)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite: 70+ in Biology

+Note: This physical education elective course does not meet the Practical/Fine Arts requirement.

Dual Enrollment Eligible/ Registration and additional fee required for Dual Enrollment credit (Sports Medicine PET2302) **Offered during the summer only.**

The purpose of this course is for the student to acquire knowledge and skills relating to the nature, prevention, care, and rehabilitation of athletic injuries. The content includes but is not limited to injury

prevention, identification, management, rehabilitation, anatomy and physiology, and career opportunities.

4101 TEAM SPORTS I (1503350)

+Grade Level: 9-12

+Credits: 1/2

+Prerequisite:

+Note: This course meets the Physical Education requirement for graduation.

This physical education elective does not meet the Practical/Fine Arts requirement.

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

9035 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES*** (0200335)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Algebra I

+Note: AP form due at Course Selection / Additional fee/This general elective course does not meet the Practical/Fine Arts requirement.

The AP Computer Science Principles course is designed to be equivalent to a first- semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

9044 ADVANCED PLACEMENT COMPUTER SCIENCE *** (0200320)

+Grade Level: 9-12

+Credits: 1

+Prerequisite: Visual Basic Honors or currently enrolled in AP Calculus

+Note: AP form due at Course Selection / Additional fee/This general elective course does not meet the Practical/Fine Arts requirement.

The purpose of this course is to treat the applications of computing within the context of programming methodology, algorithms, and data structures. Students will learn to code fluently in a well-structured fashion using an accepted high-level language. All students are required to take the AP exam.

NOTES