



COURSE CATALOG

2020-2021

XAVIER EDUCATIONAL ACADEMY

Greenway Plaza Campus
Memorial-Katy Campus
The Woodland Campus
XEA - World Campus

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Academic Program Categories

Advanced Placement (AP) – AP courses are equivalent to first-year college courses. Students enrolled in an AP course are encouraged to take the AP exam to potentially receive college credit.

DC/DE—Dual Credit/Dual Enrollment - A student may enroll in academic and/or technical courses for college credit while simultaneously earning high school credit. These are rigorous college-level courses which require more homework than Grade Level classes. The student must meet certain qualifications such as passing the TSI, and or obtaining a specific score on the ACT/SAT). Grades for these courses appear on both the student's high school transcript and college transcript. Weighted grades are awarded for DC/DE courses.

Honors – Honors courses are designed to provide students with an opportunity for enhanced higher-level thinking, creativity, rigor, and challenge beyond what is offered in the base class. Participation requires: 1) the ability to go above and beyond what is asked; 2) good time management skills; 3) reading and writing skills above average and 4) high interest in the subject matter.



English Language Arts

English I
Credit: 1
High School
Course #1110

English I provides readers and writers with daily opportunities to refine their written and oral communication skills through the study and application of reading, writing, and inquiry performance tasks. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.

English I Honors Course #1111

English II
Credit: 1
High School
Course #1210

English II continues to build proficiency and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English I. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. The higher-level critical thinking skills of analysis, evaluation and synthesis are also practiced in authentic reading and writing contexts.

English II Honors Course #1211

English III
Credit: 1
High School
Course #1310

English III continues to further increase and refine students' written and oral communication skills, building on the reading, writing, and inquiry skills they developed in English II. Students practice a variety of writing tasks in a variety of genres. Students plan, draft, and craft complete written compositions on a regular basis. Writers edit and revise papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Writers are also expected to publish to audiences within and beyond the classroom. Students read extensively in multiple genres – analyzing the works and interpreting the possible influences of historical and cultural context. Students read texts in both digital and traditional formats from diverse authors as they practice 21st century literacy skills. The higher-level critical thinking skills of analysis, evaluation, and synthesis are also practiced in authentic reading and writing contexts.



English III Honors Course #1311

English III AP

Credit: 1

High School

Course #1330

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

English IV

Credit: 1

High School

Course #1410

English IV is designed to prepare students for college/career level reading and writing intensive courses including freshman composition and other introductory college courses. Students use critical writing and reading skills to develop and represent the processes and products of their critical thinking. Through critical writing and reading, writers think through ideas, problems and issues; identify and challenge assumptions; and explore multiple ways of understanding. This is important in college as writers are asked to move past obvious or surface-level interpretations and use writing to make sense of and respond to written, visual, verbal and other texts that they encounter. Writers learn to move back and forth through different stages of writing, adapting those stages to the situation to independently produce final, polished texts. Writers are also expected to publish to audiences within and beyond the classroom. Students read texts in both digital and traditional formats from diverse authors as they practice 21st-century literacy skills. A balance of literary and informational text analysis and writing tasks offer students multiple opportunities to produce products for authentic audiences and purposes.

English IV Honors Course #1411

English IV AP

Credit: 1

High School

Course #1430

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

Yearbook Production I-III

Credit: 1

High School

Course # 1500, 1501, 1502

Prerequisite: Instructor Approval

Students in Yearbook Productions will produce the school yearbook. Duties/assignments may include planning, writing, producing, selling and distributing the yearbook. Students will also be responsible for working as part of the yearbook staff, creating thematic concepts, communicating with various school personnel and students, writing copy, shooting photos, designing pages, efficiently using computer desktop publishing programs, and meeting deadlines. Objectives include management and production of the yearbook, using editorial judgment and journalistic integrity, as well as working within time constraints and budget limitations.



Math

Algebra I

Credit: 1

High School

Course # 2110

Prerequisite: Grade 8 Mathematics or its equivalent

Students will build on the knowledge and skills of 6th-8th grade mathematics which provided a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic and exponential functions and connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Algebra Honors Course #2111

Geometry

Credit: 1

High School

Course # 2210

Prerequisite: Algebra I

Students will strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument and constructions; congruence; similarity, trigonometry; two- and three-dimensional figures; circles; and probability.

Geometry Honors Course #2211

Math Models with Applications

Credit: 1

High School

Course # 2310

Prerequisite: Algebra I

Mathematical Models with Applications is designed to build on the knowledge and skills for mathematics in grades 6-8 and Algebra I. Students learn to apply mathematics through experiences in personal finance, science, engineering, fine arts and social sciences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure, model information, solve problems, and communicate solutions. Students will select from tools such as physical objects; manipulatives; technology, including graphing calculators, data collection devices, and computers; and paper and pencil; and from methods such as algebraic techniques, geometric reasoning, patterns and mental math to solve problems.



Algebra II

Credit: 1

High School

Course # 2410

Prerequisite: Recommended Geometry

In Algebra II, students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Algebra Honors Course #2411

Students in Algebra II Honors will cover more concepts with greater depth than Algebra II. Students will be challenged by new concepts that require graphing skills, functional analysis, solving higher order equations, investigating complex number systems, and working with matrices, conic sections, logarithms, data analysis, probability as well as some trigonometry and vectors.

Trigonometry Honors

Credit: $\frac{1}{2}$

High School

Course # 2415

Prerequisite: Concurrently enrolled in Algebra II Honors

In trigonometry, students will focus on the study of angles; the trigonometry of angles and real numbers; the trigonometric functions and their inverses including their graphs; solutions of right and oblique triangles; verification of fundamental identities and analytic trigonometry; addition, subtraction and multiple angle formulas; the laws of sines and cosines; vectors and the dot and cross product; complex numbers, De Moivre's Theorem and nth roots of complex numbers; polar coordinates and equations. The course will also include the study of functions including exponential and logarithmic functions.

Pre-Calculus

Credit: 1

High School

Course # 2510

Prerequisite: Algebra II

Pre-Calculus is the preparation for calculus. The course is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-Calculus deepens students' mathematical understanding and fluency with Algebra and Trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.



Pre-Calculus Honors

Credit: 1

High School

Course # 2511

Prerequisite: Algebra II

Pre-Calculus Honors elaborates and extends the curriculum of the Pre-Calculus course with greater depth and complexity than the regular course. Independent topic assignments are part of the curriculum. This course is not open to students with credit in trigonometry, elementary analysis or Pre-Calculus. This course elaborates and extends the curriculum of the Pre-Calculus course through an inquiry-based approach. Independent topic assignments are part of the curriculum. Students must demonstrate their ability to do college work in order for the opportunity to earn college credit during the spring semester.

Statistics

Credit: 1

Course # 2611

Prerequisite: Geometry and Algebra II

In Statistics, students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Statistics AP

Credit: 1

Course # 2630

Prerequisite: Geometry and Algebra II

Recommended Prerequisite: Pre-Calculus

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

Calculus AB AP

Credit: 1

Course # 2631

Prerequisite: Pre-Calculus

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.



Calculus BC AP

Credit: 1

Course # 2632

Prerequisite: Pre-Calculus

AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.



Science

Biology

Credit: 1

High School

Course # 3110

Biology investigates the interrelationships between living organisms and the world around them. Topics include cellular biology and classification, biochemistry, systems interactions, DNA and proteins, genetics and biotechnology, change and ecology, and science skills and problem-solving. Concrete laboratory investigations and simulations deepen student understanding of topics covered.

Biology Honors Course #3111

Biology AP

Credit: 1

High School

Course # 3112

Prerequisites: Biology and Chemistry

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

Integrated Physics and Chemistry (IPC)

Credit: 1

High School

Course # 3210

Integrated Physics and Chemistry is an introduction to the science disciplines of physics and chemistry. There are several topics covered throughout the year, including: motion, waves, energy, properties of matter and chemical reactions. An emphasis is placed on laboratory techniques and procedures that will be used to illustrate the concepts that are covered within the course.

Chemistry

Credit: 1

High School

Course # 3310

Prerequisites: Biology and Algebra I

Chemistry uses laboratory investigations to study the basic principles of chemistry. Topics to be covered include properties and changes of matter; states of matter; nuclear chemistry, and solution chemistry, stoichiometry, thermochemistry, acids, and bases. An emphasis is placed upon chemical calculations and mathematical formulations. A student enrolling in chemistry as a sophomore should have strong math and reading skills.



Chemistry Honors Course #3112

Chemistry AP

Credit: 1

High School

Course # 3330

Prerequisites: Algebra II and Chemistry

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

Physics

Credit: 1

High School

Course # 3410

Prerequisites: Two years of science

Recommended Prerequisite: Concurrent enrollment in Algebra II

Physics includes laboratory investigations designed to introduce students to the practical application of physics. Basic physics concepts such as mechanics, dynamics, kinematics, heat, waves, optics, magnetism and electricity will be covered through the year. The modern physics of nuclear phenomena and the quantum model of the atom is also addressed within this course.

Physics Honors Course #3411

Physics AP

Credit: 1

High School

Course # 3430

Prerequisites: Physics and concurrent enrollment of Pre-Calculus

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. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

Marine Science

Credit: 1

High School

Course # 3510

Prerequisites: Three years of science

Marine Science is the study of the oceans on planet Earth. The course of study for Marine Science will begin with a brief look at the history of oceanography and the history of the formation of the earth itself. Students study the four major divisions of oceanography: geological oceanography, chemical oceanography, physical oceanography, and biological oceanography.



Earth and Space Science

Credit: 1

High School

Course # 3610

Prerequisites: Three years of science

Earth and Space Science is a science class that uses topics introduced in Biology, Chemistry, and Physics classes to study themes that affect the Earth, other planets and stars. These themes include space and time, components, space systems, internal and external energy, and the effects of natural and human-influenced processes.



Social Studies

World Geography

Credit: 1

High School

Course # 4110

World Geography includes physical, political, cultural and historical perspectives of the world, examining the physical and human aspects of our world and people and their cultures. Students will gather and analyze information that will help them understand our complex world.

World Geography Honors Course # 4111

Human Geography AP

Credit: 1

High School

Course # 4130

AP Human Geography is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.

World History

Credit: 1

High School

Course # 4210

World History is the only course offering students an overview of the entire history of humankind. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Traditional historical points of reference in world history are identified as students learn about important events and issues in civilization by analyzing historical sources and learning to make connections and develop historical arguments. Students will draw conclusion why certain world historical events still influence our society today. A greater emphasis will be placed upon reading, writing and research skills as the course progresses

World History Honors Course # 4211

World History AP

Credit: 1

High School

Course # 4230

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Upon completion of the course, students have the opportunity to take the AP exam to receive college credit.



U.S. History
Credit: 1
High School
Course # 4310

U.S. History traces the emergence and growth of the United States from colonization to the present through analyzing historical sources and learning to make connections, develop historical arguments, and draw conclusions as to why certain American historical events happened and how these events still influence our society today. A greater emphasis will be placed upon reading, writing and research skills as the course progresses.

U.S. History Honors Course # 4311

U.S. History AP
Credit: 1
High School
Course # 4330

AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. Upon completion of the course, students can take the Advanced Placement exam to receive college credit.

U. S. Government and Politics
Credit: ½
High School
Course # 4410

This course is designed to provide students with a basic knowledge of the purpose, structure, and operation of the national and state governmental systems. Analysis of historical documents such as the Federalist Papers will allow students to make connections and develop historical arguments. Topics will include United States the Constitution, civil rights, interest groups, politics, voting, Congress, the Presidency, the Judiciary, laws, public policies, state & local government, and current events.

U. S. Government Honors Course # 4411

U. S. Government and Politics AP
Credit: ½
High School
Course # 4430

AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. Upon completion of the course, students have the opportunity to take the Advanced Placement exam to receive college credit.



Economics
Credit: ½
High School
Course # 4510

Economics and the Free Enterprise System focuses on the impact of economics on the lives of people. Economics emphasizes on the basic principles of production, consumption and distribution of goods and services in the United States and a comparison with those of other countries.

Economics Honors Course # 4511

Psychology
Credit: 1/2
High School
Course # 4610

Psychology is a first semester course introducing students to the scientific method as applied in behavioral sciences including application of methodology and ethics in behavioral science research, learning theory, the processes of sensation and perception, studies in social psychology, and descriptive statistics. Students will have the opportunity to delve more deeply into areas of particular interest including the possibility of developing a research project on human behavior or mental processes.

Positive Psychology
Credit: 1/2
High School
Course # 4710

Positive Psychology is the scientific study of well-being and human flourishing. While traditional psychology is often focused on mental illness and what is going wrong, positive psychology is focused on helping individuals and communities thrive. Positive Psychology takes a strengths-based approach and helps provide individuals with a toolkit of researched based interventions to help boost well-being. Topics include character strengths, resilience, post traumatic growth, gratitude, positive emotions, meaning, relationships, accomplishments, and more. Students will learn about the psychological research and engage in discussion-based learning, interactive activities, and writing assignments. Positive Psychology courses have become the most popular electives at many colleges including Yale, Harvard, and NYU.

AP Seminar
Credit: 1
Grade: 10 – 12
Course # 4830

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. In addition to an end-of-course assessment, performance tasks and presentations completed throughout the year will determine the student's potential to earn a qualifying score of 3 or higher. Note: AP Seminar is part of the College Board AP Capstone Program. Due to potential limitations of course section seating, preference will be given to 11th and 12th graders.

AP Research



Credit: 1

Grade: 11 – 12

Course # 4831

AP Research allows students to explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long, research-based investigation to address a specific question. Students further develop the skills acquired in the AP Seminar course by learning about and understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000–5,000 words and a presentation, performance, or exhibition with an oral defense. Both an academic paper and a presentation and oral defense determine a student's potential to earn a qualifying score of 3 or higher. Note: AP Research is part of the College Board AP Capstone Program.



Languages Other Than English (LOTE)

French I
Credit: 1
High School
Course # 5110

French I introduces the basic language skills of viewing, showing, listening, speaking, reading and writing. French I stresses oral communication while learning basic grammar structures to reduce the risk of miscommunication. Elementary creative writing projects reinforce language skills and students will be expected to take an active role in all oral and written activities.

French II
Credit: 1
High School
Course # 5112

French II begins with a review of French I and continues with additional structures, functions and vocabulary to increase language proficiency. Continued development of basic conversation skills is an important part of the class and is evaluated through creative oral activities. Students will begin writing paragraphs in French to prepare for the intermediate level.

French III
Credit: 1
High School
Course # 5114

French III Continues to emphasize the communication skills established in levels I and II. Students will learn complex grammar structures and vocabulary necessary to exchange information, persuade, socialize, and express attitudes, opinions, feelings and emotions. The study of Francophone culture is highlighted through films, art, literature and authentic readings.

French IV
Credit: 1
High School
Course # 5116

French IV Stresses oral skills, written composition, and grammar while emphasizing the use of French for active communication. Students will develop the following skills: expression of ideas orally with accuracy and fluency, acquisition of vocabulary and a grasp of structure to allow the easy, accurate reading of a variety of genres and registers.

French V
Credit: 1
High School
Course # 5118

French V is designed for students who wish to continue their study of French beyond the fourth year. Level V students will read in the target language as well as study advanced grammatical concepts and the culture and civilization of the speakers of the target language.

Spanish I
Credit: 1
High School
Course # 5210

Spanish I introduces the basic language skills of showing, viewing, listening, reading, speaking and writing in Spanish. Students will learn vocabulary and grammatical structures necessary to communicate in everyday situations. A variety of videos, student presentations, projects, and dramatizations will reinforce language skills and introduce various aspects of Hispanic culture. Students are expected to take an active role in all oral activities to enhance proper pronunciation.

Spanish II
Credit: 1
High School
Course # 5212

Spanish II renews the basic structures, functions and vocabulary learned in Spanish I and continues with advanced structures and vocabulary to increase language proficiency. Oral and written communication skills are practiced and evaluated through a variety of activities including dramatizations. Emphasis on Hispanic culture continues through videos and readings.

Spanish III
Credit: 1
High School
Course # 5214

Spanish III continues to emphasize the communication skills established in levels I and II to increase proficiency. Students will learn advanced structures and vocabulary necessary to interact socially, communicate ideas, feelings and attitudes, and to provide and request information. The study of Hispanic culture will be highlighted through videos, art, literature and authentic readings.

Spanish IV
Credit: 1
High School
Course # 5216

Spanish IV Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course strives not to overemphasize grammatical accuracy at the expense of communication and engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

Spanish V

Credit: 1

High School

Course # 5218

Spanish V is a survey of Hispanic Literature. This course stresses oral skills, composition, and grammar while emphasizing the use of Spanish for active communication. The students will develop the following skills: comprehension of formal and informal spoken and written Spanish, acquisition of vocabulary and a deeper grasp of the structure to allow the student to analyze literary works. Spanish V is an introduction of Hispanic literature in all genres and epochs.



Fine Arts

Art I

Credit: 1

High School

Course # 6101

Students will work with a variety of drawing, painting and sculpting media while developing the elements and principles of art.

Art II Drawing

Credit: 1

High School

Course # 6102

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different drawing styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III Drawing

Credit: 1

High School

Course # 6103

Students will become familiar with different cultural drawing styles and apply a variety of drawing techniques. Students will apply design skills in creating their artwork.

Art IV Drawing

Credit: 1

High School

Course # 6104

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Art II Painting

Credit: 1

High School

Course # 6105

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different painting styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III Painting

Credit: 1

High School

Course # 6106

Students will become familiar with different cultural painting styles and apply a variety of painting techniques. Students will apply design skills in creating their artwork.



Art IV Painting
Credit: 1
High School
Course # 6107

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration. There may be a cost associated with taking this course.

Art II Sculpture
Credit: 1
High School
Course # 6108

Students will interpret and organize multiple solutions between natural and man-made environments. Students will become familiar with different sculpting styles and techniques by expanding on personal themes, applying design skills, and studying and analyzing artwork.

Art III Sculpture
Credit: 1
High School
Course # 6109

Students will become familiar with different cultural sculpting styles and apply a variety of sculpting techniques. Students will apply design skills in creating their artwork.

Art IV Sculpture
Credit: 1
High School
Course # 6110

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Art II Ceramics
Credit: 1
High School
Course # 6111

Students will become familiar with different cultural clay motif styles and apply a variety of ceramic building techniques. Students will apply design skills in creating their artwork.

Art III Ceramics
Credit: 1
High School
Course # 6112

Students will become familiar with different cultural clay motif styles and apply a variety of ceramic building techniques. Students will apply design skills in creating their artwork. There may be a cost associated with taking this course.

Art IV Ceramics
Credit: 1
High School
Course # 6113

Students will use problem-solving techniques to create multiple solutions through imaginative thinking to artwork that demonstrates personal intent. Students will create work singularly and/or in a series using a variety of media in their area of concentration.

Photography I
Credit: 1
High School
Course # 6201

Students will learn basic, technical and aesthetic skills of photography that include camera manipulation, film processing and printing. The focus will be on both black and white photography and color (digital) photography. Students will gain an understanding of different cameras, lenses, editing software, file organization and printing techniques. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software.

Photography II
Credit: 1
High School
Course # 6202

This class will focus on advanced skills in digital photography in conjunction with Adobe Photoshop, film photography, and the traditional wet darkroom. Learners will also learn how to matt photographs and prepare for exhibition. Participation in art competitions is expected each semester. It is recommended that the students have access to a DSLR camera and may be required to have a laptop with Adobe Photoshop and Lightroom software.

Digital Art
Credit 1
High School
Course # 6301

This class focuses on different ways students can create digital art. Through your active participation in this course, you'll gain a good introductory understanding of many fundamental aspects of digital artmaking. Using a variety of tools, including computers, iPads, digital cameras, scanners, apps, and key programs from Adobe's "Creative Suite" (including Photoshop), students work on a wide variety of projects. These can include photo manipulation, collage, logo design, varieties of digital mark- making and drawing, along with some limited video and animation work. The aim throughout the course will be to help you gain skill and confidence with both the technical and the artistic skills involved in making digital art. Additionally, a strong emphasis is placed on visual problem solving and the communication of ideas through the thoughtful and creative integration of type, text, and imagery.

Music and Dance

Introduction to Music

Credit: 1

High School

Course # 6400

Introduction to music is designed to give students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. The class will introduce the students to a variety of musical instruments such as guitar, banjo, piano as well as voice training. Students will spend a period of four weeks learning and playing a new instrument and will then move to the next selection. The last eight weeks will allow the student to select their favorite instrument and dive more deeply into musical language and terminology.

Music Theory

Credit: 1

High School

Course # 6405

Prerequisite: Department Chair Approval

Music Bass I-IV

Credit: 1

High School

Course # 6410, 6411, 6412, 6413

Prerequisite: Department Chair Approval

Music Bass I-IV is designed to give Bass instrument students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of Bass instruments by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Ukulele I-IV

Credit: 1

High School

Course # 6420, 6421, 6422, 6423

Prerequisite: Department Chair Approval

Music Ukulele I-IV is designed to give ukulele students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of the ukulele by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Guitar I I-IV

Credit: 1

High School

Course # 6510, 6511, 6512, 6513

Prerequisite: Department Chair Approval

Music Drums I-IV is designed to give drum students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of drums by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Piano I-IV

Credit: 1

High School

Course # 6610, 6611, 6612, 6613

Prerequisite: Department Chair Approval

Music Piano I-IV is designed to give piano students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of piano by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Violin I-IV

Credit: 1

High School

Course # 6530, 6531, 6532, 6533

Prerequisite: Department Chair Approval

Music Violin I-IV is designed to give violin students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of the violin by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Song Writing I-IV

Credit: 1

High School

Course # 6630, 6631, 6632, 6633

Prerequisite: Department Chair Approval

Music Song Writing I-IV is designed to give song writing students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their understanding of song writing by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Voice Training I-IV

Credit: 1

High School

Course # 6750, 6751, 6752, 6753

Prerequisite: Department Chair Approval

Music Voice Training I-IV is designed to give voice students the opportunity to explore and enjoy the diversity of music throughout the world by enabling them to creatively develop their knowledge, abilities and understanding through performance and composition. Students will be expected to demonstrate their voice by performing, by using appropriate musical language and terminology in analyzing musical works from many and varied cultures and periods and by exploring music through music theory, sight singing, composition, and so on.

Music Prolific Production I

Credit: 1

High School

Course # 6850

Prerequisite: Department Chair Approval

Music Prolific Production is an empowering class where students begin with basic recording techniques on different media and moves through modern technology while taking rewarding excursions in writing, arranging, producing and recording music.

Principles of Dance I-IV

Credit: 1

High School

Course # 7010, 7011, 7012, 7013

Principles of Dance I will introduce the terminology and general principles of dance. Students perform beginning/intermediate movements in a variety of genres, study choreography, develop self-discipline, and participate in group routines/projects. In Principles of Dance II, students create expressive phrases, explore the role of dance in diverse cultures, and analyze performances. Principles of Dance III extends development in styles and concepts, with opportunities for students to conduct research into dance history and develop performance evaluation skills. In Principles of Dance IV, students will develop and assess their artistic growth, create, produce, and perform dance works, design costumes, and relate dance to culture and contemporary society.

Health and Fitness

Physical Education

Credit: 1

High School

Course # 8010

Physical Education focuses on the fundamental components and principles of fitness, including competency in motor skills, movement patterns, and strategies needed to perform a variety of physical activities. Students will work towards achieving a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts, principles, and strategies. This course includes a broad series of activities that offer a variety of modalities for ultimate student engagement and content retention. Lessons include introduction of content, virtual demonstration of that content and skills, and repeated opportunity to practice and have fun

Healthy Relationships

Credit: ½

High School

Course # 8110

Healthy Relationships introduces students with the skills & knowledge they need to build healthy and successful relationships in every area including romance, friendships, family, school and work. The curriculum empowers students to make healthy sexual choices and avoid the risks that come with sexual activity, such as STIs and unplanned pregnancies.

Comprehensive Wellness I

Credit: 1

High School

Course # 8210

Comprehensive Wellness is the integration of body, mind, emotions, and behaviors to help students make a conscience decision toward a lifetime of health and wellness. This course teaches that resilience, wellness, and self-care promote healthy minds and bodies. It provides students with essential knowledge and skills to improve attitudes, beliefs and behaviors for optimal physical and emotional health.

Comprehensive Wellness II

Credit: 1

High School

Course # 8211

Comprehensive Wellness II expands on the Comprehensive Wellness course. It is an empirically based and developmentally appropriate curriculum that expands the traditional wellness model to include individual development and growth. Comprehensive wellness is the integration of body, mind, emotions, and behaviors to help students make a conscience decision toward a lifetime of health and wellness. This course allows students to explore how to be safe and secure with their own physical and emotional self, solidify their individual and social identity and recognize the abilities needed to achieve healthy direction and purpose in their lives. Equally as important, it helps students understand the importance of having balanced nutrition and physical activity in a healthy lifestyle. Comprehensive Wellness II teaches that resilience, wellness and self-care promote healthy minds and bodies. It provides students with essential knowledge and skills to improve attitudes, beliefs and behaviors for optimal physical and emotional health. Ultimately, comprehensive wellness is the acceptance of self.





Electives Other

Adulting 101

Credit: ½

High School

Course # 9110

This course is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Adulting 101 emphasizes defining personal values, goal setting and planning, and solving problems. Instructional material focuses on dealing with media and peer pressure, communication and relationships, working with others, avoiding and/or resolving conflict, decision making, wellness and personal safety, aspects of good citizenship, environmental awareness, and how students can contribute to their own community.

AI-Robotics

Credit: 1

High School

Course # 9115

Robotics Programming and Design will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful robotic programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve problems in designing and programming robots. Through data analysis, students will identify task requirements, plan search strategies, and use robotic concepts to access, analyze, and evaluate information needed to solve problems. By using robotic knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results.

Calligraphy

Credit: ½-1

High School

Course # 9120

This course is an introduction to basic calligraphy skills; students will begin with monoline alphabets and progress through 4 different styles or "hands" to Italic with a chisel point pen.

Child Growth and Development

Credit: ½

High School

Course # 9125

The course is a study of the principles of child growth and development from birth through adolescence. The focus of the course is on meeting children's physical, social, emotional and cognitive needs in their homes and classrooms.

Collaborative Leadership

Credit: ½

Grade: 11 – 12

Course # 9130

Prerequisite: Instructor Approval

Collaborative Leadership students will explore communication from a social constructionist relational process perspective. Through dialogues between the students, the teacher, and occasional guests, we develop trust and skills in forming meaningful connections with other in the class and beyond. Students' contributions of ideas and questions are an important part of class content. Topics will include: Conversational practices that contribute to a meaningful conversation, potential obstacles to communication, expressing individual leadership, and hosting group conversations.

College and Career Choices

Credit: ½

High School

Course # 9135

In this course, students will gain a comprehensive understanding of the college admission process. Students will conduct college research to help them learn about the wide range of college options ranging from liberal arts colleges to research based colleges, and more. Students will also take career inventory assessments to help navigate potential strengths and interests for their future career or major. Students will learn about college admission terminology, college application timelines, dive into college essays, mock interviews, resume and extracurricular guidance, scholarships, and more. This course will help you get ahead with your college applications and help you learn that "College is a match to be made, not a prize to be won".

Computer Science I

Credit: 1

High School

Course # 9140

Students in Computer Science will have opportunities for coding, creation of web pages, games, and robotic programming. Students will identify task requirements, use computer science concepts to access, analyze and evaluate information needed to solve problems. Students will gain an understanding of the principles of robotics through the study of physics, automation and engineering design concepts.

Culinary Arts

Credit: ½ -1

High School

Course # 9145

Culinary Arts focuses on the preparation, preparation of standardized recipes, measurement, equipment knowledge and usage and utensil identification, teamwork, and time management.

Cyber Citizenship

Credit: ½

High School

Course # 9150

This course educates students regarding evolving platforms of social media and familiarizes them with their use. It will highlight the controversial issues associated with social media, including the laws regarding social media, inappropriate usage, and online harassment. Overall, this course will educate students in maintaining a responsible online digital footprint.



Family Systems

Credit: ½

High School

Course # 9180

The purpose of this course is to prepare students for the roles, responsibilities and relationships essential to functional families and to understand the nature, function, and significance of human relationships within family and individual units.

Fashion Merchandising

Credit: ½

High School

Course # 9185

Headed to Harvard Law like Elle Woods? Take fashion merchandising! In this course students are introduced to the fashion and merchandising industries. Students acquire transferable knowledge and skills among the concepts of the business of fashion, the evolution and movement of fashion, the fashion industry, career development, merchandising of fashion, and the selling of fashion.

Feminist Theory

Credit: ½

High School

Course # 9187

This course, although looking specifically at the experiences of women, is not for girls only. Have you ever wondered what it means to be a feminist? Then this is the course for you! This course will provide a basic introduction to feminist theories and practices both historically and contemporarily in the United States. Reading and discussing foundational texts, engaging with depictions of feminists (both in popular culture and other forms), and exploring feminist activism will introduce students to the intersection of theory, representation, and practice.

Film Analysis

Credit: ½ -1

High School

Course # 9190

Film Analysis is a course intended to familiarize students with the particulars of film history as well as to provide them with a chance to analyze film as a visual art form. This course should appeal to any and all students who love to watch movies and discuss them.

Football for All

Credit: N/C

High School

Course # 9210

Consider this course a beginner's guide to football! Football can be a confusing sport at first, but it is actually fairly easy to understand when explained properly. With that in mind, this course will take you through the very basics of football you need to watch and enjoy a game. If you don't know your tight end from your end zone, this course can help you out.



Forensics

Credit: ½

High School

Course # 9220

This course focuses on the skills and concepts behind investigation and forensic science. Whether you desire to be crime scene investigator, forensic pathologist, or pursue another forensics career, this course will help you hone your investigative skills and review a wide range of science concepts. You will review physics, chemistry, and computer science in the process of learning about forensic science. You will engage in lectures, labs, case studies and on-line activities as part of this course. This course should help you see how science is used to answer questions rather than just learning science concepts.

Innovative Thinking

Credit: 1

High School

Course # 9230

Innovative Thinking teaches innovation as a process that can be applied to any subject or career. This course prepares students for college and career by developing 21st century skills, including creativity, collaboration, critical thinking, and communication. Students are introduced to the innovative thinking framework which includes five themes: creativity, storytelling, design, collaboration, and entrepreneurship.

Interpersonal Relationships

Credit: 1

High School

Course # 9235

Interpersonal Relationships encourages self-examination and critical thinking relative to adult living. Areas of study may include understanding oneself and others, dating, long-term committed relationships, family systems, financial responsibility, parenting, the life cycle, and topics of interest suggested by students.

Money Matters

Credit: ½

High School

Course # 9410

Money Matters is designed to investigate money management from a personal financial perspective. Students will apply critical-thinking skills to analyze financial options based on current and projected economic factors. Students will acquire the knowledge and skills necessary to establish and achieve short-term and long-term financial goals through various methods such as investing, debt management, tax planning, asset allocating, risk management, retirement planning, and estate planning.

Screenwriting

Credit: ½-1

High School

Course # 9510

The course will cover the most important aspects of the art and craft of writing for the screen. Topics covered will include techniques for generating ideas, the drafting process, classical screenplay structure, conflict, characterization, dialogue, how to write visually, how to analyze your own work as a screenwriter, dealing with notes/feedback, scene structure, rewriting and other tools of the trade. The course will also cover the business side of screenwriting, such as selling a script, working with agents, managers, producers, directors, casting agents, etc.



Stock Market -Financial Investing

Credit: ½

High School

Course # 9513

****Second Semester Offering****

Students will explore securities and investment products and their relationship to the economy. Securities include stocks, bonds, mutual funds and other financial assets. Students will also participate in the Stock Market Game where student manage a hypothetical \$100,000 portfolio of stocks, bonds, mutual funds, impact investments and cash. They learn workplace skills such as teamwork and critical thinking and improve their personal financial behavior and math competency.

Student Leadership

Credit: ½

High School

Course # 9515

This course provides an opportunity to study, practice, and develop group and individual leadership and organizational skills. These skills include the structure of leadership, organization and managerial skills, citizenship, goal setting, group processes, and communication.

The Art of Communication

Credit: ½

High School

Course # 9530

This course is designed to study various disciplines within the communication field. The course includes (but is not limited to) speech creation and presentation, small and large group dynamics, interpersonal communication, written expression, psychological studies of communication, and how to navigate a difficult conversation.

Women's Studies

Credit: ½ -1

High School

Course # 9610

The main focus of this course will be women and their societal advancement through American History. Discussion of the status of women in a more global perspective will occur. Women's Studies examine the experiences and contributions of diverse groups of women in American society. This course will provide knowledge about the social role of women and their involvement in areas such as health, history, and political activism. The course will also provide knowledge about gender stereotypes and how this affects the learning process.