

ENGLEWOOD PUBLIC SCHOOL DISTRICT

DWIGHT MORROW HIGH SCHOOL

2024-2025
COURSE CATALOG



HOME OF THE MAROON RAIDERS



ENGLEWOOD PUBLIC SCHOOL DISTRICT

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Graduation Requirements

The NJ Department of Education's graduation requirements include a total of 120 credits and the inclusion of the 21st Century Skills embedded across all content areas.

- Four years of English Language Arts (20 Credits)
- Four years of Physical Education/Health (20 Credits)
- Three years of Mathematics, including Algebra 1, Geometry, and a third year that builds upon the skills and concepts of Algebra I & Geometry (15 Credits)
- Three years of Science, including Biology, Chemistry, and an additional Science laboratory/inquiry course (15 Credits)
- Three years of Social Studies, including US History 1, US History 2, and World History. (15 Credits)
- One year of a World Language (5 Credits)
- One year of a course of Visual and Performing Arts (5 Credits)
- One half-year of Financial Literacy (2.5 Credits)
- 21st Century Life & Careers (5 Credits)

New Jersey State Testing Requirements

In addition to the 120 credits outlined above the NJ Department of Education has adopted the following testing requirements for graduation.

- All students enrolled in Algebra 1 must take the NSLA-M Assessment
- All 9th grade students must take the NJSLA-ELA Assessment
- All 11th grade students must take the NJSLA- Science Assessment
- All 11th grade students must take the NJGPA

Please click on the following link from the NJ Department of Education regarding current testing requirements: <https://www.nj.gov/education/assessment/requirements/index.shtml>

Definition of Important Terms

Credit

A credit is a unit that gives weight to the value, level or time requirements of an academic course taken at a school.

Required Course

A required course is a course that must be successfully completed to satisfy state and local graduation requirements.

Elective Course

An elective course is any course other than the required courses students take to earn credit towards graduation. Students may choose elective courses in areas of interest to prepare for postgraduate studies.

Honors Courses

Honors courses are designed for those students who demonstrate the capabilities, self-discipline, and commitment required to respond successfully to rigorous academic demands. Students can expect to extend themselves through course material and assignments emphasizing analysis, creativity, and critical evaluation. Honors students should be eager and discerning readers, capable of responding to abstract and nuanced meaning. They are expected to conduct independent study and engage positively with the subject matter and with their fellow learners.

Advanced Placement Courses

Advanced Placement courses are college-level courses designated by the College Board that provide students the opportunity to expand their high school academic experience beyond the regular program. Students selecting these courses can expect a rigorous curriculum. **Students enrolled in AP courses will be required to sit for the AP assessment.** Students who score well on an AP test (4 or 5), may earn college credit toward their university degree.

<u>Advanced Placement Courses</u>	
AP Biology	AP Macro/Microeconomics
AP Calculus AB	AP Physics I & II
AP Calculus BC	AP Spanish Language & Culture
AP Chemistry	AP Statistics
AP Environmental Science	AP US Government
AP French	AP US History I
AP Language & Composition	AP US History II
AP Literature & Composition	AP World Studies
AP Chinese Language & Culture	AP Computer Science

Dual Enrollment/College Partnerships

Courses offered as dual enrollment for dual credit stem from agreements between high schools, universities, and community colleges whereby a high school student may enroll in a college course and simultaneously earn high school and college credit for the course. Courses offered for dual enrollment are flagged in the Program with two asterisks (**). Students who sign up for this opportunity will be required to pay a fee to the college and meet specific criteria (such as earning a minimum grade) to earn credit.

Honor Roll

Honor Roll is calculated after grading closes for the marking period. The following criteria are used to determine Honor Roll:

- Marking Period Grade Point Average 3.0-4.0
- Students with grades of A's and B's

Credit Recovery

All students are expected to recover credits upon failure of a required course. Credits may be recovered at a board approved summer school or online through an approved platform.

Student-Athlete Academic Eligibility

For students to be eligible to participate in any athletic program at Dwight Morrow High School, they must meet academic requirements set forth by both the New Jersey State Interscholastic Athletic Association (NJSIAA) and the Englewood Public Schools District. Compliance with the eligibility standards below is mandatory. NJSIAA High School Eligibility Requirements:

FALL & WINTER:

- 9th Grade: ALL ELIGIBLE
- 10th Grade: 30 credits must have earned from previous school year.
- 11th Grade: 30 credits must have earned from previous school year.
- 12th Grade: 30 credits must have earned from previous school year.

SPRING:

- 9th Grade: Equivalent of 15 credits passed in current school year.
- 10th Grade: Equivalent of 15 credits passed in current school year.
- 11th Grade: Equivalent of 15 credits passed in current school year.
- 12th Grade: Equivalent of 15 credits passed in current school year.

***Any summer work for credit recovery purposes for failed courses, completed, and approved by the school before the sixth day, in the Fall semester, may be used for eligibility purposes.**

English

ENGA1110 READ 180 Credits: 5.00 One Year Course
Remediation 9th Grade Course
Prerequisite: Completion of 8th Grade ELA

This is a comprehensive reading intervention program designed to meet the needs of students in high school whose reading achievement is not at a proficient level. The program, which is research based, scaffolds students in their understanding of the reading process and strengthens gaps in their foundational skills. READ 180 addresses these gaps in individual needs through instructional software, high-interest literature, and direct instruction in reading skills.

ENGA1114 American Literature I Credits: 5.00 One Year Course
9th Grade Course
Prerequisite: Completion of 8th Grade ELA

American Literature 1 is the first of a two-year study of American Literature that explores the theme, The American Identity. Students are exposed to a core body of knowledge including historic texts from Native Americans, Puritans, and the Revolutionary Era. Improvement of writing skills and standardized test preparation and practice will also be emphasized. Course work is designed to develop students' listening, speaking, reading, critical thinking, writing, and research skills.

*This course counts toward the ELA requirements for graduation.

ENGA1312 American Literature I Honors Credits: 5.00 One Year Course
9th Grade Honors Course
Prerequisite: Successful completion of 8th Grade ELA with a grade of 'B+' or better
8th Grade NJSLA-ELA (or equivalent assessment) score of 750 or better

American Literature 1 Honors is the first of a two-year study of American Literature that, explores the theme, The American Identity. Students are exposed to a core body of knowledge including historic texts from Native Americans, Puritans, the Revolutionary Era, and the Romantic Literary Era. This Honors level course requires more independent work and proceeds at a faster, more rigorous pace. Course work is designed to develop students' listening, speaking, reading, critical thinking, writing, and research skills.

*This course counts toward the ELA requirements for graduation.

ENGA2114 American Literature II Credits: 5.00 One Year Course
10th Grade Course

Prerequisite: Completion of American Literature 1

American Literature II is the second of a two-year study of American Literature that explores the theme, The American Character in Conflict. The main goal of the tenth-grade course is to develop students' understanding of the influences of the American character of the 20th century through the study of literature. While short stories and novels will be the primary resources, plays, essays, and poems will also be studied. These texts and their use are designed to develop students' listening, speaking, reading, thinking, writing, and researching skills.

*This course counts toward the ELA requirements for graduation.

ENGA2312 American Literature II Honors Credits: 5.00 One Year Course
Core 10th Grade Honors Course

Prerequisite: Successful completion of: American Literature 1 with a grade of 'B+' or better
American Literature 1 Honors
Teacher Recommendation

American Literature II Honors is the second of a two-year study of American Literature that explores the theme, The American Character in Conflict. The main goal of the tenth-grade course is to develop students' understanding of the influences upon and varied expressions of the American character in the changing currents of the 20th century through their study of literature. While short stories and novels will be the primary resources, plays, essays and poems will also be studied. These texts and their use are designed to develop students' listening, speaking, reading, thinking, writing, and researching skills. This Honors level course requires more independent work and proceeds at a faster, more rigorous pace.

*This course counts toward the ELA requirements for graduation.

ENGA3114 World Literature I Credits: 5.00 One Year Course
11th Grade Course

Prerequisite: Completion of American Literature II

This is a full-year course designed to give students an understanding of the central literary pieces from the Ancient World through the Renaissance. Particular attention is paid to the social, economic, cultural, and political forces that contributed to the creation of those texts. Students will learn from different styles of writing including but not limited to novels, informational texts, and poetry. They will also learn close reading techniques and develop their presentation skills. Although the emphasis is on Western Literature, students may be exposed to selections and samples of literature from around the globe. Students continue to develop their critical reading skills and hone their writing skills with particular attention to formal essay writing and academic writing.

*This course counts toward the ELA requirements for graduation.

ENGA3312 World Literature I Honors Credits: 5.00 One Year Course**
11th Grade Honors Course

Prerequisite: Successful completion of: American Lit. II with an average of ‘B+’ or better
American Literature 2 Honors and Teacher Recommendation

This course provides the same content as World Literature I but is taught at a more rigorous pace and in greater detail. World Literature I Honors is more demanding and involves significant independent study. The successful student will enter the course with strong reading, writing, and critical thinking skills which he or she will hone through collaborative and self-directed learning.

*This course counts toward the ELA requirements for graduation.

ENGA3115 English Composition I Credits: 5.00 One Year Course**
11th Grade Honors Course

Prerequisite: Successful completion of: American Lit. II with an average of ‘B+’ or better or
American Literature 2 Honors with an average of “B” or better and Teacher Recommendation

This course is equivalent to a required writing course on the collegial level. It is meant to give students the opportunity for extensive practice in critical reading and thinking and academic writing. This course emphasizes the writing process, concentrating on the foundational writing patterns such as narration, description, exemplification, process, and cause-and-effect, learning how to integrate primary and secondary sources into their writing for the purpose of supporting a thesis.

*This course counts toward the ELA requirements for graduation.

ENGA4114 World Literature II Credits: 5.00 One Year Course
12th Grade Course

Prerequisite: Completion of World Literature I

In World Literature II, students develop an understanding of World literature through an analysis of literary works thematically arranged. Connecting literary works to their historical contexts from a global perspective, students develop interpretations of literature considering our contemporary society, as well as archetypal themes that transcend time. Analysis and evaluation of literature goes well beyond simple comprehension and literal interpretation. Writing assignments and literature are sophisticated and students are required to write in different modalities.

*This course counts toward the ELA requirements for graduation.

ENGA4312 World Literature II Honors Credits: 5.00 One Year Course
12th Grade Honors Course

Prerequisite: Successful completion of: World Literature I with a grade of ‘B+’ or better or World Literature I Honors Teacher Recommendation

World Literature II Honors is a comprehensive, critical analysis of the major literary movements from the High Renaissance to the modern age. Connecting literary works to their historical contexts from a global perspective, students will develop interpretations of literature considering our contemporary society, as well as archetypal themes that transcend time. Thematically, the course will explore critiques of society through history, focusing on issues of gender, class, colonialism, oppression, optimism, and alienation. Critical theories will be examined, and students will be expected to provide extensive humanities theses based on the theories they learned. Students will demonstrate skills through literary analyses through textual evidence and citation of literary sources.

*This course counts toward the ELA requirements for graduation.

ENGA4115 English Composition II* * Credits: 5.00 One Year Course
Core 12th Grade Honors Course

Prerequisite: Successful completion of: World Literature I with a grade of ‘B+’ or better or World Literature I Honors with a grade of ‘B’ or better or AP Language & Composition with a grade of “C+” or better Teacher Recommendation English Composition I* *

English Composition II course is equivalent to a required writing course on the collegial level. This course continues the emphasis of English Composition I on the writing process and critical reading and thinking skills. Students will explore various argumentative writing patterns during the course, where particular attention is given to writing about the texts students have read and the integration of primary and secondary sources into their writing to support a claim. Emphasis is placed on correct language usage, research, and the techniques of MLA documentation.

*This course counts toward the ELA requirements for graduation.

ENGA3224 AP Language & Composition Credits: 5.00 One Year Course
Elective 12th Grade AP Course

Prerequisite: Successful completion of: American Lit. I, American Lit. II, and World Lit. I with a grade of B+ or better or American Lit. I Honors, American Lit. II Honors, and World Lit I Honors with a grade of B or better.

Teacher recommendation.

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.

*This course counts toward the ELA requirements for graduation.

ENGA4311 AP English Literature Credits: 5.00 One Year Course
Elective 12th Grade AP Course

Prerequisite: Successful completion of: Successful completion of: American Lit. I, American Lit. II, and World Lit. I with a grade of B+ or better or American Lit. I Honors, American Lit. II Honors, and World Lit I Honors with a grade of B or better. Teacher recommendation

This full year AP Literature course is designed to be the equivalent of a one-semester college Literature course. The course follows the scope and sequence outlined by the College Board and consists of nine units of study that repeat every three units. These are short fiction, poetry, and long fiction/drama. Learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. AP English Literature is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts. They will explore the six Big Ideas as put forth by AP: character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. Students must sit for the AP assessment and may earn college credit toward their university degree.

*This course counts toward the ELA requirements for graduation.

LA_SLIFE SLIFE Credits: 5.00 One Year Course
Students must take this course with LA_ELL LAB BEG

This course addresses the needs of Students with Limited or Interrupted Formal Education (SLIFE) who have experienced interrupted education or have limited formal education prior to enrolling in the district. SLIFE usually come from a home in which a language other than English is spoken, have gaps in their education from their home country, and are at least two grade levels behind in reading and mathematics. This course serves to provide the foundation of learning English while simultaneously strengthening their overall literacy abilities in their native language. This class is accompanied by a lab course.

*This course counts toward the ELA requirements for graduation.

LA_ELL 1 ELL 1 Credits: 5.00 One Year Course
Students must take this course with LA_ELL LAB BEG

This course addresses the needs of Level 1 ESL students whose native language is not English. Students are assisted in adapting to their new environment by being presented vocabulary, text, and basic language structures via real-life situations and experiences. This class is accompanied by a lab course.

*This course counts toward the ELA requirements for graduation.

LA_ELL_LAB_BEG ELL LAB BEG Credits: 5.00 One Year Course
Students must take this course with LA ELL 1

This course addresses the needs of students whose first language is not English. The focus of the course is reading and writing. Students express themselves at their own level of proficiency. Emphasis is placed on listening and speaking skills and gradually shifts as the students' proficiency in the language increases. Students are expected to complete daily class assignments, do nightly homework assignments and pass teacher-generated tests. Among the materials used in this course are a grammar text, a workbook, and elementary readers.

LA_ELL 2 ELL 2 Credits: 5.00 One Year Course
Students must take this course with LA ELL LAB INT

This course addresses the needs of Level 2 ESL students whose native language is not English. Students learn about North American culture, but also learn additional language through Social Studies and Science content to better understand our community and the world around us. Vocabulary and language structures are presented via real-life situations and text. This class is accompanied by a lab course.

*This course counts toward the ELA requirements for graduation.

LA_ELL_LAB_INT ELL LAB INT Credits: 5.00 One Year Course
Students must take this course with LA ELL 2

This course addresses the needs of ESL students in listening, speaking, reading, and writing. Students express themselves at their level of proficiency. Students at this level begin to read simplified literature in the English language. Compositions of narration, description and exposition are written. Students are expected to complete daily class assignments, do nightly homework assignments and pass teacher-generated tests. Among the materials used in this course are a grammar text, a workbook, and teacher-generated materials. Heiman Intermediate readers are used stressing literary works such as "The Grapes of Wrath."

LA_ELL 3 ELL 3 Credits: 5.00 One Year Course

This course addresses the needs of Level 3 ESL students whose native language is not English and provides students with an overview of a variety of literary forms including the short story, poetry, drama, non-fiction, and the novel. During each quarter, students will create a variety of written and verbal responses to their reading including instruction in the four styles of writing (descriptive, narrative, expository, and persuasive) with emphasis on expository and persuasive writing. Vocabulary instruction will be integrated across the curriculum in the literature units. Instruction in grammar and mechanics will be a part of all formal written work augmented with teacher chosen lessons.

*This course counts toward the ELA requirements for graduation.

ENGA1122 Conquering the State Test Prep ELA Credits: 2.50 Semester Course
Elective Course

Prerequisite: Successful completion of: American Lit. I

This course is designed to be a one-semester elective to help students prepare for the English Language Arts portion of the NJSLA exam. Emphasis is placed on doing practice problems, familiarizing students with the format of the text, reviewing earlier subjects and learning new material.

ENGQ6318 Journalism Credits: 2.50 Semester Course
Elective Course

Journalism introduces students to the exciting world of print media. Students learn about the history of mass media and its effect on society, and learn practical journalism: how to gather information, interview effectively and write professional news stories. The course includes a study and discussion of journalism, including such issues as ethics, sexism, racism, objectivity, management, teamwork, advertising and design. Students develop an understanding of the concept of news as well as basic news identification and news values. This course is designed for students to expand their interest in print communications and is perfect (but not necessary) for students who wish to work on the high school newspaper and yearbook.

ENGQ5113 Creative Writing Credits: 2.50 Semester Course
Elective

This course exposes students to the techniques a writer uses to create poems, short stories, plays, and essays. Writing is required daily. Students explore each step of the writing process in depth and revise extensively. Drafts are critiqued in large and small group settings. Readings include drama, journalism, poetry and fiction by contemporary writers. In these readings, students encounter a variety of styles, which provide models and help students to develop their own personal ways of writing in creative forms.

ENGQ5115 Public Speaking Credits: 2.50 Semester Course
Elective

Public Speaking is designed to offer the students a strong command of the skills of oral expression, listening, and an advanced study in the major speech disciplines. The course is intended to help students clearly convey a message which can stimulate the minds of the audience and prepare students for leadership in their business and social endeavors.

ENGPORT
12th Grade Elective

ELA Portfolio

Credits: 2.50

Semester Course

This course creates an opportunity for students who need to meet the state assessment requirement for graduation. The class will review the standards necessary to meet the NJDOE graduation requirements. Assessments will include but are not limited to ASVAB, Accuplacer, and creation of an ELA portfolio for submission to NJDOE.

Mathematics

BIL_ PRE-ALG **Bi-Lingual Pre-Algebra** **Credits: 5.00** **One Year Course**
Prerequisite: Completion of grade 8 mathematics

This course is taught in Spanish and is comparable to the Pre-Algebra course taught in English. This course is designed to prepare students for success in Algebra 1 and is recommended for students not proficient in the pre-requisite skills needed for Algebra 1. This course will cover order of operations on integers, decimals, and fractions, simplifying algebraic expressions, solving, and using proportions, solving equations and inequalities in one variable, and graphing two variable equations in slope-intercept form, and increasing mathematical literacy.

MTHA1104 **Pre-Algebra** **Credits: 5.00** **One Year Course**
Prerequisite: Completion of grade 8 mathematics

This course is designed to prepare students for success in Algebra 1 and is recommended for students not proficient in the pre-requisite skills needed for Algebra 1. This course will cover order of operations on integers, decimals, and fractions, simplifying algebraic expressions, solving and using proportions, solving equations and inequalities in one variable, and graphing two variable equations in slope-intercept form, and increasing mathematical literacy.

BIL_MTHA2110 **Bi-Lingual Math Lab** **Credits: 2.50** **Semester Course**
RTI Elective

This course is taught in Spanish and is comparable to the Math Lab course taught in English. This course is designed to support math students by providing daily pre-teaching experience focusing on the same essential math content they will encounter in their math class. Students acquire transferable knowledge, allowing them to draw on these experiences with confidence and persistence when in their math classroom. Students will be placed based on invitation through the school counselor.

MTHA211A **Math Lab A** **Credits: 2.50** **Semester**
Course
RTI Elective

This course is designed to support struggling math students by providing daily pre-teaching experience focusing on the same essential math content they will encounter in their math class. Students acquire transferable knowledge, allowing them to draw on these experiences with confidence and persistence when in their math classroom. Students will be placed based on invitation through the school counselor.

MTHA1114 Algebra I Credits: 5.00 One Year Course
Prerequisite: Completion of grade 8 mathematics

This full year, entry level course covers solving one and two variable equations and inequalities, graphing two variable equations and inequalities, solving systems of equations and inequalities in two variables, solving, and graphing exponential functions, operations with polynomials, solving and graphing quadratic functions, and using function notation. The course will conclude with a cumulative final exam.

*This course counts toward the Math requirement for graduation.

BIL_ALG_1 Bi-Lingual Algebra I Credits: 5.00 One Year Course
Prerequisite: Completion of grade 8 mathematics

This full year course is taught in Spanish and is comparable to the Algebra I course taught in English. It covers solving one and two variable equations and inequalities, graphing two variable equations and inequalities, solving systems of equations and inequalities in two variables, solving, and graphing exponential functions, operations with polynomials, solving and graphing quadratic functions, and using function notation. The course will conclude with a cumulative final exam.

*This course counts toward the Math requirement for graduation.

MTHA1312 Algebra I Honors Credits: 5.00 One Year Course
Prerequisite: Successful completion of Grade 8 Mathematics with a grade of 'B+' or better

This full year course covers solving one and two variable equations and inequalities, graphing two variable equations and inequalities, solving systems of equations and inequalities in two variables, solving, and graphing exponential functions, operations with polynomials, solving and graphing quadratic functions, and using function notation. The course will conclude with a cumulative final exam. This course is taught at a more rigorous pace and students will attempt more challenging problems than a standard Algebra 1 course.

*This course counts toward the Math requirement for graduation.

MTHA2114 Geometry Credits: 5.00 One Year Course
Prerequisite: Successful completion of Algebra I or Algebra I Honors

This is a full-year course that covers geometry topics listed in the NJ Student Learning Standards for Mathematics. Topics will include areas of polygons, congruence, similarity, properties of parallelograms and quadrilaterals, polygons, circles, trigonometry, coordinate geometry, transformations in the coordinate plane, and three-dimensional geometry. Students will sit for the NJSLA Assessment for geometry in the spring.

*This course counts toward the Math requirement for graduation.

BIL_GEO **Bi-Lingual Geometry** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Algebra I or Algebra I Honors

This full year course is taught in Spanish and is comparable to the Geometry course taught in English. This course covers geometry topics listed in the NJ Student Learning Standards for Mathematics. Topics will include areas of polygons, congruence, similarity, properties of parallelograms and quadrilaterals, polygons, circles, trigonometry, coordinate geometry, transformations in the coordinate plane, and three-dimensional geometry. Students will sit for the NJSLA Assessment for geometry in the spring.

*This course counts toward the Math requirement for graduation.

MTHA2322 **Geometry Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of: Algebra I with a grade of 'B+' or better
Algebra I Honors and Teacher Recommendation

This is a full-year course that provides the same content as Geometry but is taught at a more rigorous pace and in greater detail. Topics will include areas of polygons, congruence, similarity, properties of parallelograms and quadrilaterals, polygons, circles, trigonometry, coordinate geometry, transformations in the coordinate plane, and three-dimensional geometry. Students will sit for the NJSLA Assessment for geometry in the spring.

*This course counts toward the Math requirement for graduation.

MTHA3114 **Algebra II** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Algebra I or Algebra I (H)

This full year course covers topics continuing from Algebra 1. Topics include Systems of Linear Equations, Quadratic Functions, Polynomial Functions, Exponential and Logarithmic Functions, Radical and Rational functions, and Statistics and Probability. The course will conclude with a cumulative final exam.

*This course counts toward the Math requirement for graduation.

BIL_ALG_2 **Bi-Lingual Algebra II** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Algebra I or Algebra I (H)

This course is taught in Spanish and is comparable to the Algebra II course taught in English and covers topics continuing from Algebra 1. Topics include Systems of Linear Equations, Quadratic Functions, Polynomial Functions, Exponential and Logarithmic Functions, Radical and Rational functions, and Statistics and Probability. The course will conclude with a cumulative final exam.

*This course counts toward the Math requirement for graduation.

MTHA3312 Algebra II with Trigonometry Honors Credits: 5.00 One Year Course
Prerequisite: Successful completion of: Algebra I with a grade of 'B+' or better and successful completion of Geometry Honors with a grade of 'B+' or better Geometry Teacher recommendation

This is a full-year course designed to provide a strong foundation in pre-calculus concepts. The three areas of concentration in this course are advanced algebraic manipulation, plane geometry including transformational geometry, and the extensive study of advanced functions.

*This course counts toward the Math requirement for graduation.

MATH4312 Pre-Calculus Honors Credits: 5.00 One Year Course**
Prerequisite: Successful Completion of Algebra II or Algebra II with Trigonometry Honors with a grade of 'B+' or better Teacher Recommendation

This full year course offers a rigorous analysis of intervals, inequalities involving absolute value, and polynomials, operations on functions, inverse functions, graphing polynomial functions, exponential and logarithmic functions, trigonometric functions, and formulas. This course will enable students to measure and enhance their ability to understand and to analyze intermediate mathematical concepts as well as to explore applications of exponential and logarithmic functions. Students enrolled in this course may earn 3 college credits if they fulfill the requirements set by BCC via the dual enrollment option for this course.

*This course counts toward the Math requirement for graduation.

CAL_HONORS Calculus Honors Credits: 5.00 One Year Course**
Prerequisite: Successful Completion of Pre-Calculus with a grade of 'B+' or better Teacher recommendation

This full year course offers a deep dive into the study of change, called Calculus. The topics covered in this course include limits, continuity, derivatives, differentiation and its applications, differentials, definite and indefinite integrals, and their applications to business, science, and engineering. Students enrolled in this course may earn 3 college credits if they fulfill the requirements set by BCC via the dual enrollment option for this course.

*This course counts toward the Math requirement for graduation.

MTHA6312 **Statistics Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Pre-Calculus Honors or Algebra II with Trigonometry Honors with a grade of 'B+' or better Teacher Recommendation

This course covers probability, analysis, inference, and the methods of devising a statistical study. Students become proficient in collecting, analyzing, and drawing inferences from data. In addition, students become proficient in using a TI 83 graphing calculator for statistical studies.

*This course counts toward the Math requirement for graduation.

ADV_MATH_12 **Advanced Mathematics 12** **Credits: 5.00** **One Year Course**

This course is aimed at improving students' mathematical and financial skills needed to succeed in college. In Unit 1, a review of Algebra and Geometry, students will review the basics of Algebra, including properties of real numbers, equations, inequalities, linear equations and inequalities, exponents and exponential equations and polynomials. Students will also review Geometry topics, including angles, area, and perimeter. In Unit 2, A review of Algebra II, students will receive a review of Algebra II. Topics include complex numbers, functions, quadratic, exponential and logarithmic functions, factoring, conic sections, and probability and statistics. In Unit 3, Personal Finance and Banking, students will learn about financial planning, budgeting, taxes, saving and investing. Students will also learn about banking and consumer credit.

*This course counts toward the Math requirement for graduation.

MTHA4311 **AP Calculus AB** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Pre-Calculus Honors Teacher Recommendation

The Advanced Placement Calculus AB Course covers the equivalent amount of material in a one-semester college calculus course. The topics covered include the limits of functions, differential calculus, integrals, and differential equations. Students enrolled must take the AP Calculus AB Exam in May.

*This course counts toward the Math requirement for graduation.

MTHA5311 **AP Calculus BC** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Pre-Calculus Honors Teacher Recommendation

The Advanced Placement Calculus BC Course covers the equivalent amount of material in a two-semester college calculus course. The topics covered include the limits of functions, differential calculus, integrals, and integration by parts, differential equations, infinite series, and parametric functions. Students enrolled must take the AP Calculus BC Exam in May.

*This course counts toward the Math requirement for graduation.

MTHA6311 **AP Statistics** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Pre-Calculus Honors or Algebra II with Trigonometry
Honors Teacher recommendation

AP statistics cover probability, analysis, inference, and the methods of devising a statistical study. Students become proficient in collecting, analyzing, and drawing inferences from data. In addition, students become proficient in using a TI 83 graphing calculator for statistical studies. Students enrolled must take the AP Statistics Exam in May.

*This course counts toward the Math requirement for graduation.

MTHQ2114 **Conquering the State Test Prep** **Credits: 2.50** **Semester Course**
RTI Elective
Prerequisite: Successful completion of Algebra I or Algebra I (H)

This course is designed to be a one-semester elective to help students prepare for the math portion of the NJSLA Math Assessment. Emphasis is placed on doing practice problems, familiarizing students with the format of the text, reviewing earlier subjects and learning new material.

MTHZ3124 **National Math Review** **Credits: 2.50** **Semester Course**
RTI Elective
Prerequisite: Successful completion of Algebra I or Algebra I Honors

This course is offered to improve performance on the SAT and ACT aptitude and achievement examinations in mathematics. Focus is on changes in the SAT and ACT including the addition of advanced algebraic concepts. The coursework involves work in numbers and operations, algebra, geometry/measurement and statistics/probability.

MTHQ4110 **Math Portfolio** **Credits: 2.50** **Semester Course**
12 Grade Elective

This course creates an opportunity for students who need to meet the state assessment requirement for graduation. The class will review the standards necessary to meet the NJDOE graduation requirements. Assessments will include but are not limited to ASVAB, Accuplacer and creation of a math portfolio for submission to NJDOE.

Physical Education and Health

PE HLTH9 Physical Education & Health 9 Credits: 5.00 One Year Course
Required Course

This course consists of three marking periods of Physical Education and one marking period of Health Education. Physical Education classes will encompass fitness, team sports, racquet sports, cooperative games, and lifetime skills. Physical Education will incorporate the concepts of competition, sportsmanship, and basic motor skills. Assessments will include participation, preparation, physical skills, in class assignments, and written testing.

Freshman health education will offer an in-depth study of the topics of wellness, dating violence, Stress, Abstinence and HIV, and drugs, alcohol, and tobacco.

*This course counts toward the Physical Education requirement for graduation.

PE DE10 Physical Education & Driver Ed 10 Credits: 5.00 One Year Course
Required Course

This course consists of three marking periods of Physical Education and one marking period of Driver's Education. Physical Education will incorporate the concepts of competition, sportsmanship, and basic motor skills enhancement. Higher-level concepts of game play and strategies will also be introduced. Spatial awareness, locomotor skills, non-locomotor skills, hand-eye coordination and foot-eye coordination will be developed through student activity stressing large muscle group participation. Assessments will include participation, physical skills, projects, journals, in class assignments, and written testing. Through written testing, language arts and mathematics will be integrated into this course.

Driver's Education prepares students to become licensed safe drivers on our roads and highways. Areas stressed in the course will include: the impact of emotions on driving, Alcohol, Drugs, and driving, and the consequences, the implied consent law, the GDL (graduated driver's license) rules, physical skills of driving, motor vehicle laws, map reading and responsible vehicle ownership. The course will culminate with the students preparing for and taking the state written Drivers Examination Test.

*This course counts toward the Physical Education requirement for graduation.

PE HLTH11 Physical Education & Health 11 Credits: 5.00 One Year Course
Required Course

This course consists of three marking periods of Physical Education and one marking period of Health Education. Physical Education classes will encompass fitness, team sports, racquet sports, cooperative games, and lifetime skills. Physical Education will incorporate the concepts of competition, sportsmanship, and basic motor skills. Assessments will include participation, preparation, physical skills, in class assignments, and written testing.

Health Education focuses on Cardiopulmonary Resuscitation (CPR) and First Aid Education and will provide students with an understanding of the immediate care given to an injured or ill person. Basic rules of self-help are provided to students, emphasizing crucial procedures for what should and should not be done in an emergency. Students understand how to administer CPR to those in need, in time of cardiac arrest, stroke and/or another emergency. At the conclusion of this course, students will have the opportunity to become certified by demonstrating their skills and take a written test through the American Heart Association. The certification e-card costs \$5.00.

*This course counts toward the Physical Education requirement for graduation.

PE HLTH12 Physical Education & Health 12 Credits: 5.00 One Year Course
Required Course

This course consists of three marking periods of Physical Education and one marking period of Health Education. Physical Education classes will encompass fitness, team sports, racquet sports, cooperative games, and lifetime skills. Physical Education will incorporate the concepts of competition, sportsmanship, and basic motor skills. Assessments will include participation, preparation, physical skills, in class assignments, and written testing.

Family Living will encompass relationships, family wellness, Gender Identity/Sexual Orientation/Gender Equity, Drugs/Alcohol/Tobacco. The course will be a project-based learning approach with the use of outside resources to enhance the students' learning opportunities.

*This course counts toward the Physical Education requirement for graduation.

PEDQ1000 Strength and Conditioning Credits: 2.50 Semester Course
Elective

This course is designed to enhance the student's academic and practical application of physical conditioning (strength, endurance, quickness, flexibility) and develop a knowledge base toward the design of a Physical Fitness Program. The class content includes conditioning drills, flexibility exercises, a variety of aerobic activities and weight training.

PEDQ1100 Yoga Credits: 2.50 Semester Course
Elective

This course is designed to introduce students, safely and accessibly, to the basic postures, breathing techniques, and relaxation methods of yoga. Students will begin to experience the benefits of stretching, moving, and breathing freely as they relieve built up stress, learn to relax, and ultimately get more out of day-to-day life. The aim of this course is to promote vibrant health and to tap the body's latent energy reserves.

Science

SCIA1114

Biology

Credits: 5.00

One Year Course

Biology is an introductory course designed to provide students with a comprehensive understanding of the fundamental principles governing life and living organisms. Through a combination of theoretical knowledge, laboratory investigations, and hands-on experiments, students will explore the diverse realms of biology, including cell structure and function, genetics, evolution, and ecology. This course aims to foster scientific inquiry, critical thinking, and a deeper appreciation for the natural world.

*This course counts toward the Science requirement for graduation.

BIL_BIO

Bi-Lingual Biology

Credits: 5.00

One Year Course

This course is taught in Spanish and is comparable to the Biology course taught in English. Biology is a science that stresses inquiry and depends upon the basic relationship of the physical sciences as well as life science. This course is presented with these ideas in mind. This course begins with a review of recent current events related to Biology. Through these, the relationships between science and technology, as well as ethical issues, are explored. While the presentation of content is a major part of this course, the development of critical thinking skills is considered of paramount importance. Also important are safe practices and the attitude a student displays as he or she learns science and the development of qualities inherent in the practice of science, such as curiosity, skepticism, open-mindedness, and honesty when collecting and interpreting findings. In addition to class discussion and cooperative activities and projects, oral presentations of projects are expected for all class members. Students are required to do several research projects during the year. All appropriate laboratory exercises are conducted during a weekly lab class to strengthen student understanding of the material covered.

*This course counts toward the Science requirement for graduation.

SCIA1312

Biology Honors

Credits: 5.00

One Year Course

Prerequisite: B+ or better in grade 8 Science

This course focuses on the study of life. Biology is a science that stresses inquiry and depends upon the basic relationships of the physical sciences as well as living things. This course is presented with these ideas in mind. While presentation of the course is a major part of this course, the development of critical thinking skills is considered of paramount importance. Also important are safe practices, the development of qualities inherent in the practice of science, such as curiosity, skepticism, open-mindedness, and honesty when collecting and interpreting findings. All appropriate laboratory exercises are conducted during a weekly lab class to strengthen student understanding of the material covered.

*This course counts toward the Science requirement for graduation.

SCIA2311 **AP Biology** **Credits: 5.00** **One Year Course**
Prerequisite: B+ or better in grade 8 Science

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. The course content follows the suggested outline for a typical college biology course. AP biology covers the main biological principals and processes which include the following big ideas: The process of evolution drives the diversity and unity of life; Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis; Living systems store, retrieve, transmit, and respond to information essential to life processes; Biological systems interact, and these systems and their interactions possess complex properties. AP Biology aims to provide students with the conceptual framework and analytical skills necessary to understand and assess the rapidly growing science of biology. Students are required to take the AP Exam in May.

*This course counts toward the Science requirement for graduation.

SCIA2114 **Chemistry** **Credits: 5.00** **One Year Course**
Prerequisite: Successful Completion of Biology

This course provides students with a fundamental understanding of the chemical principles involved in the natural world. Covered topics include matter, scientific measurement, an exhaustive study of the Periodic Table of Elements, chemical formulae and quantities, physical and chemical changes, stoichiometry, thermochemistry, a detailed study of the behavior of gases, periodicity, bonding, solutions, kinetics, acids and bases, oxidation- reduction reactions, electrochemistry, and nuclear chemistry. Students perform weekly laboratory experiments and prepare formal lab reports according to a prescribed format.

*This course counts toward the Science requirement for graduation.

BIL_CHEM **Bi-Lingual Chemistry** **Credits: 5.00** **One Year Course**
Prerequisite: Successful Completion of Biology

This course is taught in Spanish and is comparable to the Chemistry course taught in English. This course provides students with a fundamental understanding of the chemical principles involved in the natural world. Covered topics include matter, scientific measurement, an exhaustive study of the Periodic Table of Elements, chemical formulae and quantities, physical and chemical changes, stoichiometry, thermochemistry, a detailed study of the behavior of gases, periodicity, bonding, solutions, kinetics, acids and bases, oxidation- reduction reactions, electrochemistry, and nuclear chemistry. Students perform weekly laboratory experiments and prepare formal lab reports according to a prescribed format.

*This course counts toward the Science requirement for graduation.

SCIA2312 **Chemistry Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Completion of Biology (or Biology Honors) and Algebra I with a grade of B+ or better

This full year introductory college-prep chemistry course helps students gain a fundamental understanding of physical and chemical changes, atoms, molecules, basic atomic structure, electron configuration, the Periodic Table, quantitative calculations, chemical reactions, acids, bases, solutions, behavior of gases, etc. Next Generation Science Standards are applied and accentuated throughout the year.

The curriculum includes projects, laboratory investigations, demonstrations, cultivating laboratory techniques and technical scientific writing skills, and problem-solving activities. The depth and pace of this honors course is considerably more accelerated than college prep chemistry.

*This course counts toward the Science requirement for graduation.

SCIA3311 **AP Chemistry** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Honors Biology, AP Biology or Honors Chemistry with a grade of 'B+' or better or Biology or Chemistry with a grade of 'B+' or better
Teacher recommendation

This is a full-year introductory college-level chemistry course. It is designed for the student with a strong background in science and above-average mathematics skills, who will benefit by deeper practice in chemical problem solving. It is suitable for students who want to improve their preparation for college chemistry or who are seeking advanced placement. Topics covered include substance and mixture composition, chemical and physical properties, gas laws and stoichiometry, chemical reactions, atomic theory, structure and bonding, equilibrium, acids and bases, thermodynamics, kinetics, and electrochemistry. Students are required to take the AP Examination in May.

*This course counts toward the Science requirement for graduation.

SCIA4114 **Environmental Science** **Credits: 5.00** **One Year Course**

This full year lab-based science course will introduce students to the field of environmental science. Major themes will include ecology and ecosystems, global cycles and physical systems, and the impact of human populations on ecosystems. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and man-made, to evaluate the relative risks associated with these problems, and to evaluate alternative solutions for resolving and / or preventing them. Students are required to conduct a lab investigation and write a full lab report.

*This course counts toward the Science requirement for graduation.

BIL_ENVIRO **Bi-Lingual Environmental Science** **Credits: 5.00** **One Year Course**

This course is taught in Spanish and is comparable to the Environmental Science course taught in English. This full year lab-based science course will introduce students to the field of environmental science. Major themes will include ecology and ecosystems, global cycles and physical systems, and the impact of human populations on ecosystems. Through experimentation and internet-based activities, students will develop skills in handling the tools in use in environmental science. It is recommended that students have completed a full year of biology and chemistry so that they can utilize the knowledge and skills gained in these disciplines to the study of Environmental Science. This course will allow students to investigate the introduction of green technologies into current society.

*This course counts toward the Science requirement for graduation.

SCIA4312 **Environmental Science Honors** **Credits: 5.00** **One Year Course**

This full year lab-based science course will introduce students to the field of environmental science. Major themes will include ecology and ecosystems, global cycles and physical systems, and the impact of human populations on ecosystems. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and man-made, to evaluate the relative risks associated with these problems, and to evaluate alternative solutions for resolving and /or preventing them. Students are required to think and write independently and to perform a series of laboratory experiments.

*This course counts toward the Science requirement for graduation.

SCIA4344 **AP Environmental Science** **Credits: 5.00** **One Year Course**

Prerequisite: Successful completion of Honors or AP Biology and Honors or AP Chemistry or Biology with a grade of 'B+' or better or Chemistry with a grade of 'B+' or better.

This full year AP science course is designed to be the equivalent of a one semester college science course. The course follows the scope and sequence outlined by College Board and consists of nine units of study: Ecosystems, Biodiversity, Populations, Earth System and Resources, Land and Water Use, Energy Resources and Consumption, Atmospheric Pollution, Aquatic and Terrestrial Pollution, and Global Change. Students will explain environmental concepts and processes, apply quantitative methods in solving problems, propose solutions for environmental problems, support their idea with evidence, and conduct research and lab studies. Students are required to sit for the AP assessment and may earn college credit toward their university degree.

*This course counts toward the Science requirement for graduation.

SCIA3312 **Physics Honors** **Credits: 5.00** **One Year Course**
Prerequisites: Grade of B+ or better in Chemistry or Grade of B or better in Algebra 2

In this course students study heat, kinetic theory, properties of gases, liquids and solids and the laws of thermodynamics. All students work on electrostatics, properties of direct current and magnetism. The curriculum includes projects, experiments, labs and problem-solving exercises.

*This course counts toward the Science requirement for graduation.

SCIA4321 **AP Physics I** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Geometry
Teacher Recommendation or concurrently with Algebra II

This full year AP science course is designed to be the equivalent of a one-trimester college laboratory science course in Physics. The program covers the major concept areas of Kinematics, Dynamics, Circular Motion, Gravitation, Energy, Momentum, and Simple Harmonic Motion. This course utilizes an instructional approach that emphasizes laboratory investigations, demonstrations, discussions, cooperative group work, individual participation, and independent study. Students enrolled in AP courses will be required to sit for the AP assessment. Students who score well on an AP test (4 or 5), may earn college credit toward their university degree.

*This course counts toward the Science requirement for graduation.

SCIA4331 **AP Physics II** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of AP Physics I
Teacher Recommendation

This full year AP science course is designed to be the equivalent of a one-trimester college laboratory science course in Physics. The program covers the major concept areas of Fluids, Thermodynamics, Electric Field and Force, Magnetism, Circuits, Electromagnetic Induction, Optic and Waves and Nuclear and Quantum Physics. This course utilizes an instructional approach that emphasizes laboratory investigations, demonstrations, discussions, cooperative group work, individual participation, and independent study. Students enrolled in AP courses will be required to sit for the AP assessment. Students who score well on an AP test (4 or 5), may earn college credit toward their university degree.

*This course counts toward the Science requirement for graduation.

AP_HON_DUAL Anatomy & Physiology Honors Dual Credits: 5.00 One Year Course Elective**

This year-long elective is part of the Healthcare Occupations Partnership Program with Bergen Community College. Students accepted into the program are juniors and seniors. This course examines the human body from a systems approach and is a laboratory-based class. Animal and organ dissections are an integral part of the course, as well as didactic lectures, and internet research. The course is designed to prepare students for further study in the health care field and to earn college credits while still in high school. To earn college credits, all students must successfully complete the midterm and final examination as prescribed by the college and pay the required fee to the college to receive a transcript.

*This course counts toward the Science requirement for graduation.

SCIZ5312 Forensic Science Credits: 5.00 One Year Course
Pre-requisite: Biology
Elective

This full-year elective course consists of an introduction to the study of Forensic Science. Forensic Physics is the branch of Criminalistics that utilizes the principles of physics and lays the foundation for the analysis of physical evidences. Forensic Science is the application of science to law. This course is designed to be a comprehensive subject incorporating Physics, Biology, Chemistry, Entomology, Earth Science, Psychology, Anatomy and Physiology and how those contents are related and used to solve a crime. Major topics include processing a crime scene, collecting and preserving evidence, and identifying types of evidence such as fiber, toxicology, serology, DNA, fingerprints, ballistics, and document analysis. The focus of this course is to emphasize the evidential value of the crime scene and related evidence. This course combines basic theory and real laboratory experiments, creating an experiment-based situation for the better understanding of the procedures forensic scientists use in the crime laboratory.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

FPRZ5315
Elective

Flight Science

Credits: 2.50

Semester Course

The goal is to explore the scientific and engineering principles involved in flight. Students will learn from various sources and then put the information to test in a series of experiments from building a simple wing to designing their own flying model.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

FPRZ5317
Elective

Robotics

Credits: 2.50

Semester Course

In intro to robotics, students will learn how to create a simple tethered remote control and how to create simple gear systems. The class will work initially on the individual parts and will finish with a project that will allow the students to design a remote-controlled car.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Social Studies

SSCA1114 **United States History I** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Grade 8 Social Studies

US History I encompass the rich tapestry of American history. From the diverse cultures of Pre-colonial America, including Indigenous American civilizations, colonization by European powers, the Revolutionary War, westward expansion, the Civil War and Reconstruction; highlighting key events and influential figures that shaped the course of American history during this foundational period. US History I count toward the state of New Jersey requirement for high school graduation and incorporates all appropriate NJ state mandates: Amistad Law, Holocaust Law, LGBT and Disabilities Law; Diversity and Inclusion Law. Assessments utilized in this course are class discussions, graphic organizers, student-based assessments, close reading, quizzes, tests, primary/secondary source analysis and writing.

*This course counts toward the Social Studies requirement for graduation.

BIL_US_1 **Bi-Lingual United States History I** **Credits: 5.00** **One**
Year Course
Prerequisite: Successful completion of Grade 8 Social Studies

This course is taught in Spanish and is comparable to the United States History 1 course taught in English. This course provides students with a chronological view of American History from the British Colonization of North America to the Progressive Era. The topics stressed include Colonial America, the Revolutionary Period, and The Civil War.

*This course counts toward the Social Studies requirement for graduation.

SSCA1312 **United States History I – Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Grade 8 Social Studies with a grade of ‘B+’ or better

US History I Honors delves deeply into the complexities of the rich tapestry of American history. From the diverse cultures of Pre-colonial America, including Indigenous American civilizations, colonization by European powers, the Revolutionary War, westward expansion, the Civil War and Reconstruction; emphasizing critical analysis of primary sources, nuanced discussions on societal structures, economic developments, and political ideologies shaping each period. The course fosters a comprehensive understanding by exploring lesser-known perspectives, encouraging independent research, and challenging students to articulate connections between historical events and their enduring impact on contemporary American society. US History I incorporates all appropriate NJ state mandates: Amistad Law, Holocaust Law, LGBT and Disabilities Law; Diversity and Inclusion Law. Assessments utilized in this course are essay assignments, research papers, class debates or discussions, primary and secondary document analysis, student-based presentations, quizzes and tests, project-based assessments, critical reading assignments, historical simulations or role-playing activities, classroom participation and engagement.

*This course counts toward the Social Studies requirement for graduation.

SSCA2114 **United States History II** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of United States History I

US History 2 is a thematic course designed to define and explore the American experience and the factors that have come to define and shape our national identity since the late Post-Reconstruction Era. This course provides students with an in-depth understanding of the events, trends, and policies of American society. It is also inclusive of diverse cultural and gender groups and how they contributed to the changing nature of American society. More specifically, this course will provide a practical understanding of the problems our nation faces today, such as the political and economic divide, systemic discrimination, and the challenges brought on by modern technologies.

*This course counts toward the Social Studies requirement for graduation.

BIL_US_2 Bi-Lingual United States History II Credits: 5.00 One Year Course

Prerequisite: Successful completion of United States History I

This course is taught in Spanish and is comparable to the United States History 2 course taught in English. US History 2 is a thematic course designed to define and explore the American experience and the factors that have come to define and shape our national identity since the late 1800s. This course provides students with an in-depth understanding of the events, trends, and policies of American society. It is also inclusive of diverse cultural and gender groups and how they contributed to the changing nature of American society. More specifically, this course will provide a practical understanding of the problems our nation faces today, such as the political and economic divide, systemic discrimination, and the challenges brought on by modern technologies.

*This course counts toward the Social Studies requirement for graduation.

SSCA2312 United States History II - Honors Credits: 5.00 One Year Course

Prerequisite: Successful completion of United States History I with a grade of 'B+' or United States History I Honors

This course goes beyond the College Preparatory level, offering students more rigorous training and an accelerated pace of learning. It is comparable to the United States History 2 CP course, which is a thematic exploration of the American experience and the factors that have defined and shaped our national identity since the late Post-Reconstruction Era. Delving into the events, trends, and policies of American society, this course provides students with a profound understanding of these historical aspects.

*This course counts toward the Social Studies requirement for graduation.

AP_US_1_9 AP US History I Credits: 5.00 One Year Course

Prerequisite: Successful completion of 8th Grade Social Studies with a grade of 'B+' or better Teacher Recommendation

This course is a comprehensive introduction to US History from the Age of Exploration through the Civil War. It is inclusive of diverse cultural, social, and gender groups, exploring how they contributed to the changing nature of American society. The course exposes students, on an introductory level, to intensive reading and writing activities designed to develop the necessary skills for AP US History II.

*This course counts toward the Social Studies requirement for graduation.

AP_US_1_10 **AP US History II** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of AP US History 1
Teacher Recommendation

This course is a continuation of the topics and skills undertaken in AP US History 1, covering the era of Reconstruction through the events of September 11, 2001. It is inclusive of diverse cultural, social, and gender groups, exploring how they contributed to the changing nature of American society. The course exposes students to intensive reading and writing exercises combined with deep analysis of historiography. Students may earn college credit upon completion of this course and a passing grade on the Advanced Placement examination.

*This course counts toward the Social Studies requirement for graduation.

SSCA3114 **World Studies** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of United States History 1 and 2

World Studies is a full year course required for graduation. This course is a survey of history from the late Middle Ages to contemporary times. Students will learn about the socio-economic, political, and ideological conditions of various eras that shaped our world. More specifically, students will examine the global inequalities and technological progress that have shaped our world. Topics include Industrial Revolution, Imperialism, and the World Wars. Students will hone their critical reading, writing as well as analytical skills. This course requires formal historical assessment through project-based learning as well as more traditional historical research papers and presentations.

*This course counts toward the Social Studies requirement for graduation.

BIL_WLD_STUD **Bi-Lingual World Studies** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of United States History 1 and 2

This course is taught in Spanish and is comparable to the World Studies course taught in English. World History is a one-year course that is required for graduation. This course is a survey of world history from the late Middle Ages to contemporary times. Students will learn about the socio-economic, political, and ideological conditions of various time periods as they study historical events and the connections between the various world cultures throughout the period being studied. Students will gain an understanding of why the world developed the way it did and develop the ability to analyze historical evidence and express understanding and analysis in writing.

*This course counts toward the Social Studies requirement for graduation.

SSCA3312 World Studies Honors Credits: 5.00 One Year Course

This course provides the same content as World Studies but is taught at a more rigorous pace and in greater detail. World Studies Honors is more demanding and involves significant independent study. The successful student will enter the course with strong reading, writing, and critical thinking skills which he or she will hone through collaborative and self-directed learning.

*This course counts toward the Social Studies requirement for graduation.

SSCA2111 AP World Studies Credits: 5.00 One Year Course
Prerequisite: Successful completion of United States History 1 & 2 with a grade of 'B+' or US 1 & 2 Honors

AP World History: Modern is a full year class designed to be equivalent to college level history courses. The curriculum follows the College Board scope of nine units of study: The Global Tapestry, Networks of Exchange, Land-Based Empires, Transoceanic Interconnections, Revolutions, Consequences of Industrialization, Global Conflict, Cold War and Decolonization, and Globalization. Students will analyze historical sources and learn to make connections and craft historical arguments as they complete project based as well as traditional assessments. Students are required to sit for the AP exam at assessment and may earn college credit towards their university degree.

*This course counts toward the Social Studies requirement for graduation.

SOC_HON_DUAL Sociology Honors/Dual Option Credits: 5.00 One Year Course
Elective

Dual Enrollment Sociology is the scientific study of the patterns and processes of human social relations and how social groups influence human behavior. In this course, we will be introduced to some of the basic sociological methods and theoretical perspectives used to study social behavior. Topics of focus include culture, socialization, crime and deviance, race and ethnicity, social inequalities, and various social institutions like religion and the family.

SSCA4321 AP US Government Credits: 5.00 One Year Course
Elective

Prerequisite: Successful completion of United States History 1 & 2 with a grade of 'B+' or US 1 & 2 Honors

AP US Government is an introductory college-level course that will provide a rigorous overview of the way our American government operates. This course places particular emphasis on the study of the Constitution, branches of government, civil rights and liberties, political participation, and campaigns and elections. The course also provides practical opportunities to be engaged in the political process. In addition, this course will prepare students to take the AP US Government exam in May and potentially earn college credit.

*This course counts toward the Social Studies requirement for graduation.

SSCA5311 **AP Macro Economics** **Credits: 5.00** **One Year Course**
Elective

Prerequisite: Successful completion of United States History 1 & 2 with a grade of 'B+' or US 1 & 2 Honors

AP Macroeconomics is an introductory college-level course that will provide a thorough understanding of the principles of economics that apply to an economic system. This course places particular emphasis on the study of national income and price-level determination, and it will also help students develop familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. In addition, this course will prepare students to take the AP Macroeconomics exam in May and potentially earn college credit.

FIN_LIT **Financial Literacy** **Credits: 2.5** **Semester Course**

Prerequisite: 11th Grade Academic standing

This 11th grade course will introduce basic economic theory, fiscal vocabulary, and the practical application of the various forms of individual money management. Students will have the opportunity to work through real world scenarios relating to each unit of study. The curriculum will provide a solid foundation on which students can build a financial future.

*This course counts toward the Financial Literacy requirement for graduation.

BIL_FINLIT **Bi-Lingual Financial Literacy** **Credits: 2.5** **Semester Course**

Prerequisite: 11th Grade Academic standing

This course is taught in Spanish and is comparable to the Financial Literacy course taught in English. This course will introduce basic economic theory, fiscal vocabulary, and the practical application of the various forms of individual money management. Students will have the opportunity to work through real world scenarios relating to each unit of study. The curriculum will provide a solid foundation on which students can build a financial future.

*This course counts toward the Financial Literacy requirement for graduation.

SSCQ4124 **Psychology** **Credits: 5.00** **One Year Course**
Elective

In this full year course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Unit topics in this course include methods of study, biological basis for behavior, learning and memory, development, and psychological disorders. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology. Students learn how to define and use key terms of psychology and how to apply psychological principles to their own lives.

PSYCH_HON **Psychology Honors** **Credits: 5.00** **One Year Course**
12th Grade Elective

In this full year course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Unit topics in this course include methods of study, biological basis for behavior, learning and memory, development, and psychological disorders. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology. Practical application of self-actualization is the hallmark of this course, which is intended for mature, motivated members of the Senior Class. This course requires the critical thinking skills needed for analytical reading and writing.

SSCQ5115 **African American Studies** **Credits: 2.5** **Semester Course**
11th and 12th Grade Elective

African/African-American History provides students with a basic understanding of the geography, history, and cultures of Africa, as well as an overview of the contributions and roles of African-Americans in United States History. Students will explore the great kingdoms and empires of ancient Africa, the nations of modern Africa, traditional cultures, colonialism and nationalism as they pertain to African history. Students will also assess the African-American experience by studying slavery, the Civil Rights Movement, and the Black Revolution.

FFIZ5316 **Fundamentals of Stock Market Investing** **Credits: 2.50** **Semester Course**
Elective

This elective shows students how to invest their personal finances in the stock market now and in the future. Increasing resources is an important part of achieving personal financial goals. The course discusses the fundamental aspects of investing in stocks, bonds, and mutual funds. Students are given the opportunity to use the Internet to set up and manage a stock portfolio and research companies before investing.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Career and Technical Education

EAST_CHILDCARE **Childcare** **Credits: 10.00** **One Year Course**

Childcare and Development is a hands-on and interactive full-year course. Students explore the physical, psychological, social, emotional, and cognitive development of children from prenatal to five years old. Understanding this crucial period equips students with valuable knowledge and emphasizes the significance of patience and a positive attitude towards children. The course examines qualities of good/bad teachers, components of lesson plans, and provides hands-on experience with preschool students at D.A. Quarles Early Childhood Center. Students travel twice a week, engaging and teaching preschool age children during their double block periods. For those intrigued by child development, teaching, or education, this course offers a compelling opportunity.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

COSMO1 **Cosmetology I** **Credits: 5.00** **One Year Course**

Cosmetology Level 1 is a full year elective course that introduces students to the field of cosmetology. It covers the basic principles and techniques of hair, skin, and nail care, including cutting, styling, coloring, skincare, makeup application, and manicuring. Students also learn about salon safety and sanitation practices. This course provides a foundation in cosmetology and prepares students for more advanced courses.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

COSMO2 **Cosmetology II** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Cosmetology I

Cosmetology Level 2 is a full year intermediate course that builds upon the foundation established in Cosmetology Level 1. It covers advanced techniques in hair, skin, and nail care, including cutting, styling, coloring, perming, straightening, facials, acrylic nail extensions. The course also includes salon management, customer service, and professional ethics.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

COSMO3 **Cosmetology III** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Cosmetology II & Teacher Recommendation

Cosmetology Level 3 is a full year advanced elective course that builds upon the skills learned in Cosmetology Level 2. This course focuses on advanced techniques in hair, skin, and nail care, including precision cutting, advanced coloring, and specialized skin treatments. Students will also learn about barbering and esthetics. Additionally, they will gain knowledge in salon management and business practices.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Technology Electives

TECQ1110 **Computer Graphics** **Credits: 2.50** **Semester Course**
Elective

This course focuses on the development of the student's graphic design skills using technology. Students learn how to use Adobe Photoshop, Adobe Illustrator, and Adobe In-Design to create products such as book covers, magazine layouts, and posters. Students spend class time learning graphic design applications, viewing samples of good design, brainstorming ideas for good design, and designing and sharing designs with the class for critique. Software: Adobe Creative Suite

*This course counts toward the 21st Century Career Readiness requirement for graduation.

TECZ1310 **Digital Design** **Credits: 2.50** **Semester Course**
Elective

This course teaches students to produce digital images quickly using the features of the Adobe Creative Suite (Adobe Illustrator, Adobe Photoshop, Adobe InDesign, and Acrobat). Using simple and clear instructions, students are taken step by step through several projects from traditional print work to designing features for the web, including social media. Students will also review the basics of web site design. Students must have a basic understanding of Mac OS X. Software: Adobe Creative Suite.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

FISZ5316 **Video Production** **Credits: 2.50** **Semester Course**
Elective

This one-semester elective focuses on the technology and craft of creating videos. Using the Adobe Creative Suite, students will learn how to use digital cameras equipment, video, and audio editing software, and greenscreen technology to produce original videos. Students will explore the Production Process, Film History, Film Theory and Critique, and Video Distribution and Presentation. This course culminates in the production of a portfolio of work.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

TECH1500 AP Computer Science Principles Credits: 5.00 One Year Course
Elective

Prerequisite: A in Algebra II or B+ or better in Algebra II w/ Trig (H)

This course introduces students to the central ideas and multiple fields of computer science. While exploring such topics as cybersecurity, the internet, smart technologies and big data, students will be challenged to think creatively and harness the power of digital technology to create innovative solutions. With a focus on how computing can impact our world, students will apply problem analysis, logic and coding and develop skills in creative problem solving, communication and collaboration, all skills vital for success across multiple disciplines and career fields. Students will be prepared for the AP Computer Science Principles exam.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

ARTQ3110 **Ceramics 1** **Credits: 2.50** **Semester Course**
Elective

This is a one-semester elective course designed to introduce students to creating with clay. This course offers students an opportunity to discover the fundamentals, principles, and techniques of design with clay. The course will cover the hand building skills of pinching, coiling and slab building, along with underglaze and glaze applications. This course implements project-based learning in a studio environment, with the expectation of creating a variety of artworks. Projects include the creation of bowls, cups, mugs, a large-scale vase, plates, a sculptural mask, and a final portfolio of work.

*This course counts toward the Visual and Performing Arts requirement for graduation.

ARTQ3120 **Ceramics II** **Credits: 2.50** **Semester Course**
Elective

Prerequisite: Ceramics I

This is a one-semester elective course that is a continuation of Ceramics 1. This course implements project-based learning in a studio environment, where students are expected to create a variety of artwork. This course covers topics of different decoration techniques in ceramics, wheel throwing, and the hand building of more complex forms. Students will learn to create vertical slab forms, jars, whistles, and large scale ancient Greek forms. Students will create ceramic pieces that explore impressions, piercing, sgraffito, underglaze trailing, wax resist, and an independently driven project based on personal identity.

*This course counts toward the Visual and Performing Arts requirement for graduation.

ARTQ6120 **Mural Art I** **Credits: 2.50** **Semester Course**
11th and 12th Grade Elective

Prerequisite: Successful completion of Art Exploration

This one semester elective course builds upon the skills gained in Art Exploration. This class helps to visually enhance the culture of the school. The course will cover mural building processes from ideation, planning, composition, scaling up and completion. Each project design will be presented to the administration for permission to install or paint the mural on site. Approved designs will have the chance to be installed or painted in specific locations within the school.

*This course counts toward the Visual and Performing Arts requirement for graduation.

ARTQ6121 Mural Art II Credits: 2.50 Semester Course
11th and 12th Grade Elective

Prerequisite: Successful completion of Mural Art I

This one semester elective course is a continuation of Mural Art 1. This class helps to visually enhance the culture of the school. The course will cover mural building processes from ideation, planning, composition, scaling up and completion. Each project design will be presented to the administration for permission to install or paint the mural on site. Approved designs will have the chance to be installed or painted in specific locations within the school.

*This course counts toward the Visual and Performing Arts requirement for graduation.

ARTQ2220 Print Making Credits: 2.50 Semester Course
Elective

Prerequisite: Successful completion of Art Exploration

This one semester elective course builds off the skills gained in Art Exploration. Printmaking is an artistic process based on the principle of transferring an image onto another surface to create what is then called a print or a series of prints. The course will cover a variety of printmaking techniques and will emphasize the handling of the specific equipment, tools, and supplies necessary to develop and create original prints. Projects will include block printing, screen printing, monotypes and collagraphs.

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUSQ1110 Chorus I Credits: 5.00 One Year Course
Elective

Chorus is a full-year vocal ensemble that studies and performs music from a wide variety of genres. These include but are not limited to Popular, Gospel, Broadway, Classical and more. Students will learn vocal techniques as well as basic music theory, sight reading, as well as, how to balance and blend voices. The Chorus performs for school and community activities throughout the school year. Participation in dress rehearsals and after school performances are required.

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUSQ1110 **Chorus II** **Credits: 5.00** **One Year Course**
Elective

Prerequisite: Successful completion of Chorus I

Chorus is a mixed group that studies and performs music from a wide variety of genres. These include but are not limited to Popular, Gospel, Broadway, Classical and more. Students will learn advanced vocal techniques as well as basic music theory, sight singing and how to balance and blend voices. The Chorus also performs for school and community activities throughout the school year. **Participation in dress rehearsals and performances are required.**

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUSZ2320 **Concert Band** **Credits: 5.00** **One Year Course**
Elective

Concert Band is a full-year course open to students who have had prior experience in a band program. This course requires students to perform music of all types including contemporary band repertoire and arrangements of music by the masters. Concert Band requires students to participate in after school performances. Development of basic musicianship and playing skills will be emphasized through performance in this course. Student involvement in after school concerts and marching band performance activities are required.

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUSQ5110 **Drumline** **Credits: 5.00** **One Year Course**
Elective

Drumline is a full-year course that introduces traditional and modern literature for percussion ensemble and the drumline within the marching band. Course content includes emphasis on music reading, music theory, solo and ensemble playing. Drumline requires student involvement in after school concerts and marching band performance activities.

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUSZ1110 **Beginning Band** **Credits: 5.00** **One Year Course**
Elective

This class offers the band experience at the beginning level. The instruments taught are flute, clarinet, saxophone, trumpet, trombone, tuba, and percussion. No experience is necessary. Musical topics are introduced such as reading, music notation, analyzing and evaluating music.

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUS_PIANO **Piano** **Credits 5.0** **One Year Course**

This full-year course provides group piano instruction for students at the beginning level. The course will cover fundamentals of music theory, composition, piano techniques, reading music in treble and bass clef, chord progressions, and introduction to playing music in various styles such as, but not limited to, Classical, Gospel, Jazz, and Pop. Beginning pianists develop skills in analytical listening and explore musical creativity in the form of basic improvisation and basic composition.

*This course counts toward the Visual and Performing Arts requirement for graduation.

MUS_PIANO2 **Piano II** **Credits 5.0** **One Year**

Course
Elective

Prerequisite: Piano I or Audition

This full-year course builds on prior experience from Piano I or private studies. This course continues the development of piano proficiency through further exploration of music theory, performance concepts, and repertoire applications through various genres such as, but not limited to, Classical, Gospel, Jazz, and Pop. Students who are studying privately may also practice repertoire assigned by a private teacher. Possible after school performance requirement.

*This course counts toward the Visual and Performing Arts requirement for graduation.

DANCE **Dance I** **Credits: 5.00** **One Year Course**
Elective

This course is a full year elective course that provides fundamental techniques and vocabulary in many styles of dance including ballet, jazz, hip hop, lyrical, modern and contemporary dance. The course will also cover dance history and explore basic choreography. Emphasis will be placed on technique, movement skills, knowledge, history, and aesthetics of each dance style, while also learning components of health-related fitness. Participation in the spring dance showcase is required.

*This course counts toward the Visual and Performing Arts requirement for graduation.

DANCE2
Elective

Dance II

Credits: 5.00

One Year Course

Prerequisite: Dance I or an audition with teacher recommendation required.

This course is a full year elective course with emphasis on student choreography and performances. This class will participate in school wide events such as the pep rally, holiday showcase, spring showcase and diversity day. Additionally, this course also includes trips to colleges in the area.

*This course counts toward the Visual and Performing Arts requirement for graduation.

CPMA1110
Elective

Music Technology

Credits: 5.00

One Year Course

This full-year course introduces students to music creation using modern recording techniques through popular Digital Audio Workstation (DAW) applications such as Sound trap, GarageBand, Ableton Live. The class will develop students' understanding of basic computer systems and tools that the music industry uses, as well as, provide hands-on learning for basic recording and mixing techniques. The class will equip students with a working knowledge of the art of music using software and hardware designed to assist in the creation, amplification, and alteration of music. Projects include, but are not limited to, beat mixing, composition, and podcasts.

*This course counts toward the Visual and Performing Arts requirement for graduation.

Theater

Introduction to Theater

Credits 5.00

One Year Course Elective

This class is a survey course that exposes students to various elements of theatrical productions. Students will have the opportunity to explore on and off-stage components of theater, including acting, direction, set, and costume design, and the ways in which these pieces complement one another to make a cohesive performance.

*This course counts toward the Visual and Performing Arts requirement for graduation.

World Language

WLDA1322 French I Honors Credits: 5.00 One Year Course

French 1 Honors is a full-year elective course. This is a beginner's course designed to challenge students to use language in meaningful contexts and real-life situations. It incorporates classroom instruction, student-centered activities, and technology-based cooperative projects. The course consists of 8 Units: Introductions, In the Classroom, Family, High School, Food & Drink, Describing Others, Leisure & Weather and Going Places. While developing communication skills in the target language, students gain knowledge and understanding of the French culture, and connect to other disciplines and information. Students develop strategies that enable them to continue the process of language learning and to understand better their own culture and its relationship with other cultures.

*This course counts towards the World Language requirement for graduation.

WLDA2322 French II Honors Credits: 5.00 One Year Course
Prerequisite: French, I Honors

French II Honors is a full-year elective course. Incorporating and reinforcing the elements of language taught in French I, this course is designed to expand students' abilities in the target language to more complex situations and settings. The course consists of 8 units: Introductions, Au Café, talking about the Past, Travel, Describing Routines, Past Experiences, At Home and reading the traditional French children's book "Le Petit Nicolas". While the emphasis is placed on communication, students continue to develop the four skills of listening, speaking, reading, and writing, as well as extend their knowledge of the French culture. The goal is to provide students with the skills they need to function in Francophone countries and communicate with native speakers.

*This course counts towards the World Language requirement for graduation.

WLDA3322 French III Honors Credits: 5.00 One Year Course
Prerequisite: French II Honors

French Three Honors is a full-year elective course. Incorporating the elements of language taught in French I and II, this course is designed to expand students' abilities in the target language to more complex situations and settings. This course consists of eight units: Past Review, Technology & Machines, At the Office, Our Careers, In the City, The Environment, Arts & Entertainment and French Contemporary Literature. While the emphasis is placed on communication, students are introduced to literary pieces designed to expand their reading and writing skills. The goal is to provide students with the skills they need to interact with native speakers.

*This course counts towards the World Language requirement for graduation.

WLDA4322 **French IV Honors** **Credits: 5.00** **One Year Course**
Prerequisite: French III Honors

French Four Honors is a full-year elective course. This course is designed to develop students' communication skills, both written and spoken, and cultural knowledge of the French language. This course consists of eight units: Feeling & Living, The Value of Ideas, Global Challenges, Francophone Literature, Practical Conversations, Nature's Riches, The Arts, and French Film. Students analyze various elements of French language and culture. Through the study of grammar and reading selections, students increase their control over the language structures while gaining proficiency in listening, speaking, reading, and writing. The goal is to provide students with the skills they need to interact in an appropriate manner with native speakers.

*This course counts toward the World Language requirement for graduation.

WLDA5321 **AP French** **Credits: 5.00** **One Year Course**
Prerequisite: French III Honors

AP French Language and Culture is a full-year, college-level course intended for students in their fourth year or higher of study of French. The course uses the scope and sequence outlined by College Board and consists of 6 Units: Families in Different Societies, The Influence of Language and Culture on Identity, Beauty & Art, Science & Technology, Quality of Life & Impacting Factors, and Environmental, Political and Societal Challenges. Exclusive use of French by teacher and students is the expectation in the classroom. Students use textbooks and other authentic resources in accordance with those suggested on the College Board website. Students will take the AP French Language and Culture exam at the end of this course.

*This course counts toward the World Language requirement for graduation.

WLDA1114 **Spanish I** **Credits: 5.00** **One Year Course**

This full-year Spanish I course is taught in English and Spanish, and it is an introduction to the Spanish Language. It is a course in which students will develop skills in speaking, reading, and writing in Spanish. The course is designed to help students deepen their understanding and appreciation for the language and culture of Spanish speaking countries. The goals for Level 1 are: The acquisition of basic vocabulary skills, good pronunciation, listening comprehension and development of conversational skills. This course utilizes an instructional approach that emphasizes listening, reading, writing, and speaking in the target language.

*This course counts towards the World Language requirement for graduation.

WLDA1312 **Spanish I Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Placement

This full-year Spanish I Honors course is taught in English and Spanish, and it is an introduction to the Spanish Language. It is a course in which students will develop skills in speaking, reading, and writing in Spanish. The course is designed to help students deepen their understanding and appreciation for the language and culture of Spanish speaking countries. The goals for Spanish 1 Honors are the acquisition of basic vocabulary skills, good pronunciation, listening comprehension and development of conversational skills. This course utilizes an instructional approach that emphasizes listening, reading, writing, and speaking in the target language with more rigor.

*This course counts toward the World Language requirement for graduation.

WLDA1312 **Spanish Heritage I Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Placement

This full year course is conducted entirely in Spanish and covers Spanish and Latin American authors from the medieval period to the XVII century. The works are presented in chronological order with the aim of integrating the historical themes and literary movements of the different time periods. The activities are intended to teach and enhance a student's ability to acquire, identify, understand, discuss, interpret, and analyze the literary works of prose, poetry, and drama along with the literary terms and conceptual aspects of art and history of the time. The lessons are designed to help students interpret the figures of speech, tone, genre, style, characters, themes, and literary symbols to develop the student's analytical and interpretative skills.

*This course counts toward the World Language requirement for graduation.

WLDA2134 **Spanish Heritage II Honors** **Credits: 5.00** **One Year Course**
Prerequisite: Successful completion of Spanish Heritage I

This full year course is conducted entirely in Spanish and covers Spanish and Latin American authors from the XVIII century to modernity. The works are presented in chronological order with the aim of integrating the historical themes and literary movements of the different time periods. The activities are intended to teach and enhance a student's ability to acquire, identify, understand, discuss, interpret, and analyze the literary works of prose, poetry, and drama along with the literary terms and conceptual aspects of art and history of the time. The lessons are designed to help students interpret the figures of speech, tone, genre, style, characters, themes, and literary symbols to develop the student's analytical and interpretative skills.

*This course counts toward the World Language requirement for graduation.

WLDA2114 Spanish II**Credits: 5.00****One Year Course**

Prerequisite: Spanish I

This full year Spanish II course is taught predominantly in Spanish, and it is a continuation of Spanish I. It incorporates and reinforces the elements of language taught in Spanish I. The goal of the course is to expand students' ability to communicate in Spanish in more complex situations and settings. In addition to verbal communication skills, students also work to develop the skills of reading and writing, as well as develop their understanding of Spanish culture. Each semester, this course utilizes an instructional approach that emphasizes listening, reading, writing, and speaking in the target language.

*This course counts towards the World Language requirement for graduation.

WLDA2312 Spanish II Honors**Credits: 5.00****One Year Course**

Prerequisite: Successful completion of Spanish I

This full year Spanish II honors course is taught predominantly in Spanish, and it is a continuation of Spanish I Honors. It incorporates and reinforces the elements of language taught in Spanish I Honors. The goal of the course is to expand students' ability to communicate in Spanish in more complex situations and settings. In addition to verbal communication skills, students also work to develop the skills of reading and writing, as well as develop their understanding of Spanish culture. Each semester, this course utilizes an instructional approach that emphasizes listening, reading, writing, and speaking in the target language with more rigor.

*This course counts towards the World Language requirement for graduation.

SPAN_HON_DUAL Spanish III Honors ****Credits: 5.00****One Year Course**

Prerequisites:

Successful completion of Spanish II Honors

Successful completion of Spanish II and Teacher Recommendation

Teacher Recommendation

This full year Spanish III Honors course is taught predominantly in Spanish, and it is a continuation of Spanish II and Spanish II Honors. The goal of this course is to provide students with the skills they need to function in Spanish-speaking countries and to communicate with native speakers. Relevant and developmentally appropriate topics that are intrinsically interesting, cognitively engaging and culturally connected are introduced in meaningful contexts to challenge students to use language to broaden their understanding of themselves and their world and to recognize the interrelationship between language and culture. Authentic readings relevant to teenagers are introduced and discussed in the target language. Each semester, this course utilizes an instructional approach that emphasizes listening, reading, writing, and speaking in the target language.

*This course counts toward the World Language requirement for graduation.

WLDA4312

Spanish IV Honors**

Credits: 5.00

One Year Course

Prerequisite:

Successful completion of Spanish III Honors

Successful completion of Spanish III and
Teacher Recommendation

This full year Spanish IV Honors course is taught entirely in Spanish, and it is a continuation of skills acquired in previous Spanish courses. Students will be offered the opportunity to learn about the careers in the global marketplace, family/societal problems, and culture and global challenges of several countries where Spanish is spoken. Students read a wide spectrum of literature, non-fiction text, and current international articles, view Internet clips and television programs, listen to various genres of music and global news, and use authentic resources as vehicles for real life conversations in the community. Through the study of language, students will also gain an understanding and appreciation of other cultures as well as their own. Formative, summative, and project-based performance assessments, as well as benchmark assessments are employed to track individual student progress.

*This course counts towards the World Language requirement for graduation.

WLDA5311

AP Spanish Language and Culture

Credits: 5.00

One Year Course

Prerequisites:

Successful completion of Spanish III Honors

Successful completion of Spanish III and Teacher Recommendation
Teacher Recommendation

The Advanced Placement Spanish Language Program is intended for those who have chosen to develop their proficiency in the Spanish language. Students should have a basic knowledge of the language and culture of the Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. This AP course covers the equivalent of a third-year college course in advanced Spanish composition and conversation. The course is given completely in Spanish and emphasizes the use of Spanish for active communication. In this course students achieve a very high ability in reading, writing, speaking, and listening. Students read, discuss, and write about Spanish literature in various genres.

Students enrolled in AP Spanish Language and Culture must take the AP Spanish Language and Culture exam in May administered by College Board.

*This course counts towards the World Language requirement for graduation.

WLDA1342

Mandarin I Honors

Credits: 5.00

One Year Course

This full-year elective course is designed for students to communicate in the target language using vocabulary, phrases, and simple sentences. Students are introduced to the four basic language areas: listening, speaking, reading, and writing, employing active learning strategies such as role-playing, as well as media and technology. Topics covered include self, family, calendar, food, and hobbies through engaging communicative tasks in the three modes of communication. Projects, presentations, quizzes, and tests will assess students' learning progress and achievement.

*This course counts towards the World Language requirement for graduation.

WLDA2342

Mandarin II Honors

Credits: 5.00

One Year Course

Prerequisite: Mandarin, I Honors or an equivalent course

This full-year elective course focuses on developing language proficiency in communication. Students will engage in various communicative tasks through active learning strategies. The central topics covered include school, clothing, money, and leisure activities. These themes provide a practical context for language acquisition and cultural understanding. Communicative tasks in listening, speaking, reading, and writing will enable students to comprehend short conversations, initiate discussions on topics like weather and daily activities, and deliver oral messages and presentations. Additionally, students will explore cultural practices and traditions such as festivals, street markets, and fine arts like calligraphy and painting.

*This course counts towards the World Language requirement for graduation.

WLDA3342

Mandarin III Honors

Credits: 5.00

One Year Course

Prerequisite: Mandarin II Honors

Mandarin III Honors course is appropriate for students who have completed Mandarin II Honors. Students should be able to, with moderate ease and accuracy pronounce Chinese sounds and tones, are able to give brief oral/written message and presentation about familiar topics. Most of the class is conducted in Mandarin Chinese and incorporates TPRS (Teaching Proficiency through Reading and Storytelling) as a means of raising students' Speaking, Listening, Reading, and Writing levels to the Novice level or higher. Lessons focus on high frequency vocabulary, grammar, and sentence structures and are presented as Comprehensible Input to maximize student comprehension, retention, and ability to communicate in the target language. Students will enhance their communicative competence in the Chinese language, through real life thematic units.

*This course counts towards the World Language requirement for graduation.

WLDA4342 Mandarin IV Honors**Credits: 5.00****One Year Course**

Prerequisite: Mandarin III Honors

This full-year elective course is designed for students who have completed Mandarin III or an equivalent course with proficiency in Chinese pronunciation and communication skills. Central topics of the course include Festivals and customs, Modern China, Travel and transportation, Everyday life, People and society and Famous people, History Literature, and arts. Students are expected to engage in communicative tasks, contribute to discussions related to shared interests, and complete compositions, all aimed at achieving a language proficiency level ranging from Intermediate-High to Advanced-Low by the end of the course.

*This course counts towards the World Language requirement for graduation.

WLDA5343 AP Chinese Lang & Culture**Credits: 5.00****One Year Course**

Prerequisite: Mandarin III Honors

This full-year elective course is designed for students who have completed Mandarin III or an equivalent course with proficiency in Chinese pronunciation and communication skills. Central topics of the course include Festivals and customs, Modern China, Travel and transportation, Everyday life, People and society and Famous people, History Literature, and arts. Students are expected to engage in communicative tasks, contribute to discussions related to shared interests, and complete compositions, all aimed at achieving a language proficiency level ranging from Intermediate-High to Advanced-Low by the end of the course. Students enrolled in AP courses will be required to sit for the AP assessment.

*This course counts towards the World Language requirement for graduation.

Academy Concentrations

Biomedicine Academy

BIO_ACAD_9 **Fund. of Biomedicine Honors** **Credits: 5.00** **One Year Course**
Academy Core 9th Grade

This is the first course for our Biomedicine students. In this class students learn the necessary skills and behaviors needed to conduct scientific inquiry. Ninth graders hone skill sets such as working independently at a lab station, in addition to working expeditiously to set up and dismantle their own stations. This helps to prepare 9th graders for the subsequent classes that will focus on biotechnology techniques and research. A key element to this class is the career exploration component, guest speakers from various backgrounds are invited to speak to our students. Past speakers have included doctors, nurses, occupational therapists, and former students pursuing degrees and careers in biomedicine. Field trips to medical establishments also help to expose our students to the biomedicine pathway. In addition, we also explore bioengineering principles as it is a growing area that is closely aligned to the biomedical professions.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

BIO_ACAD_10 **Biotechnology Honors** **Credits: 5.00** **One Year Course**
Academy Core 10th Grade

The objective of the Introduction to Biotechnology course is to train students in basic laboratory skills, thereby enhancing their ability to design research studies that investigate a broad range of topics within the biomedicine field and non-biomedicine field. The outcome of the course is to equip students to: understand and adhere to basic lab safety requirements, comprehend, and perform basic laboratory techniques (i.e. pipetting, making solutions, centrifugation, fundamental laboratory mathematics and data management), and understand the principles of sophisticated laboratory methods such as cell culture, polymerase chain reaction (PCR), psychophysiology (the study of correlations between the mind, behavior, and bodily mechanisms). The class is specifically tailored to students in Biomedicine program and is intended to familiarize them with laboratory techniques they could use in their research projects during their 11th grade course study.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

BIO_ACAD_11 Exper. Design and Medical Term Honors Credits: 5.00 One Year Course
Academy Core 11th Grade

This is part one of the two courses offered to our Biomedicine students in their 3rd year starting in 2020. In this class students will be encouraged to generate their own question that will be the springboard for their research project. These individual projects might utilize some of the laboratory methodology and techniques such as culturing and PCR obtained in the 10th grade. Working with the advice of the instructor students will be able to choose an appropriate design for a specific study. These studies would be particularly aimed at area of interest of the individual students. Scientific reasoning, analyzing data, and communicating results are hallmarks of this course. The overarching goal of this course is to have our students submit their projects for regional, state, and national competitions.

This is part two of the two courses offered to our Biomedicine students during their 3rd year. The goal of is course is to familiarize our students with medical terms that enables universal communication among biomedical professionals. The use of standardized medical terminology is crucial to ensuring that all persons involved in addressing medical situation are doing so efficiently and accurately. Students will gain an understanding of basic elements, rules of building and analyzing medical terms, in addition to key terminology of human anatomy and physiology.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

BIO_ACAD_12 Pharm and Law & Medical Ethics Honors Credits: 5.00 One Year Course
Academy Core 12th Grade

This course is offered to our Biomedicine students during their 4th year. This course allows students to familiarize themselves with the ethical questions that are pivotal to medicine, law, biology, and public policy. This familiarization happens primarily through the art of debate and classroom discussions. Students will read primary sources including essays, court decisions and opinion pieces to prepare their arguments. The course also covers the ethical issues that health-care workers face in the workplace and the proper behavior and etiquette that should govern their practice.

The second component of the course is pharmacology. In the pharmacology portion of the course, students learn about the principles underlying drug action and how drugs affect the body. This is done by studying the mechanism of action, general effects, and therapeutic uses for major drug classes (anti-biotics, painkillers, anti-viral, anti-malarial etc.). Students also apply the pharmacological principles to discuss emerging therapeutic strategies and issues.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Finance Academy

FFIA1310 Introduction to Business Honors Credits: 5.00
Academy Core 9th Grade

One Year Course

This course introduces students to the different forms of businesses, how they are organized, and how they operate in a free-market economy. The relationship between the primary functional areas of management, operations, marketing, and finance as they relate to the success and viability of a business is studied. Regular discussion of current events in business, banking, and investing will challenge students to analyze news and take a stand on critical issues while developing critical thinking and awareness of the world around them.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

FFIA2310 Financial Planning Honors Credits: 5.00
Academy Core 10th Grade

One Year Course

Financial planning is a full-year course where students learn the fundamentals of accounting procedures and the importance of accounting to a successful business. Details of the accounting cycle and how transactions affect the financial records of the business are applied in realistic business settings. Students learn to prepare and examine the four fundamental business statements: Balance Sheet, Income Statement, Statement of Cash Flows, and the Owner's or Stockholders' Equity. Emphasis is placed on how these general-purpose financial statements communicate information about the performance and position of a business to users external to management.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

FFIA3310 Marketing Honors Credits: 5.00
Academy Core 11th Grade

One Year Course

This course is an introduction to business marketing. It is intended for Juniors in the Finance Academy. It covers the basics of business marketing: advertising, sales, pricing, product definition, and market research. It also covers topics such as product differentiation, product positioning and market segmentation.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

FFIA4310 International Business Honors Credits: 5.00
Academy Core 12th Grade

One Year Course

International Business students examine the implications and challenges of operating a business in a global economy. This course is intended for seniors. Topics covered in this course include the principles of exporting and importing goods and services, foreign and domestic trade controls, the role of foreign governments in trade, currency exchange rates, and regional trade pacts. In addition, cross-cultural differences and their influence on business practices and product marketing are examined. Finally, the role of the Internet in trading in an international environment is explored.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Information Systems Academy

INFO_ACADEMY_9 IT Essentials Honors Credits: 5.00 One Year Course
Academy Core 9th Grade

In Information Systems Academy Grade 9, students will be exposed to the following: Elementary coding, how technology impacts business and society; what makes a computer system function; exploration of the primary components of a personal computer; examination of features common to applications software and software specialty tools; the study of trends in computer technology; research the history of computer based information systems; the review of career opportunities available in information technology; discussions ethical issues related to the information age, privacy, security risks, and environmental concerns the 21st Century. Another goal of the course is to equip the student to pass the Comp TIA + certification exam.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

INFO_ACADEMY_10 Networking Honors Credits: 5.00 One Year Course
Academy Core 10th Grade

In Information Systems Academy Grade 10, students will cover the history, theory, design, engineering, and installation of networks to connect digital computers. The course is designed to prepare students to plan and implement a network. Other topics include but are not limited to peer-to-peer networks, elementary coding, the client-server model, network operating systems, and an introduction to wide-area networks. The course also covers network and implementation tools that may vary to meet current development trends, and real-world skills necessary for optimum functionality in the 21st Century. Another goal of the course is to equip the student to pass the Comp TIA Network + certification exam.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

INFO_ACADEMY_11 AP Computer Science A for ISA Credits: 5.00 One Year Course
Academy Core 11th Grade

Computer Science A (CSA) is designed to be a full-year course implemented in the 11th grade. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. CSA is designed with alignment to the College Board Computer Science A framework. Students will learn a subset of the Java programming language. They will engage in hands-on work to design, write, and test computer programs that solve problems or accomplish tasks. The course is also designed with strong connections to the Computer Science K12 Frameworks (CS K12), ISTE Standards, and the Computer Science Teachers Association K-12 Computer Science (CSTA K-12 CS) Level 3A Standards.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Students will explore the meaning of security as it applies to all aspects of the computing experience. The problem of computing security is more than just a look at virus protection and prevention. Today, security in computing includes a full range of real time issues for both home and business users, which range from the infrastructure requirements to the everyday practice of identity protection. It extends in this modern world to the use of “smartphones” on the World Wide Web and even to devices like network enabled personal and security cameras. Students will use a combination of problem-based exploration and projectbased “real world” laboratories to explore most facets of the computing security problem. Real world examples will be used, and students will be required to find solutions to today’s problems while considering tomorrow’s computing needs.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Law and Public Safety Academy

LAW_ACAD_9 **Intro to Law Honors** **Credits: 5.00** **One Year Course**
Academy Core 9th Grade

This course is required for Law and Public Safety students. Students gain a comprehensive understanding of our system of law and advocacy and the use of law as a tool for addressing social issues and resolving disputes. Topics covered include the organization of the federal and state court system, civil and criminal law, and the trial process.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

LAW_ACAD_10 **Criminal Law Honors** **Credits: 5.00** **One Year Course**
Academy Core 10th Grade

In this course, students explore the nature of crime, comparing poverty crimes and crimes against the person. Students will also look at criminal procedure including investigation, accusation, trial, verdict and sentencing for a crime. In addition, students examine the issues of fairness, security, and rights in a free society. Students research and create projects which analyze current debates about criminal law in modern American society.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

LAW_ACAD_11 **Constitutional Law Honors** **Credits: 5.00** **One Year Course**
Academy Core 11th Grade

This course begins with an overview of the Constitution and how the American legal system works. Students look at the work of the Supreme Court by investigating why the Court takes certain cases and not others. While a wide range of cases are examined, the course focuses on cases of particular interest to high school students, including censorship of high school papers, drug use, drug testing, desegregation, religious prayer in school, hate speech, privacy and responsibility, poverty and inequality in school financing, and freedom of speech. Students analyze Court decisions, interpreting the words used and weighing the merits of the majority and dissenting opinions. Finally, students learn about the impact of the Court's cases and how the impact has changed over time.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

LAW_ACAD_12 **Issues in Law & Public Policy Honors** **Credits: 5.00** **One Year Course**
Academy Core 12th Grade

In this full year course, students examine contemporary social, economic, and cultural issues and the development of public policies to address them. Students analyze the roles of the legal system and public and private actors in the development and implementation of policy initiatives. Students research key issues and analyze the effectiveness of existing policies and proposed policy initiatives.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

Pre-Engineering Academy

ENGI_ACAD_9 Intro to Engineering Design Honors Credits: 5.00 One Year Course
Academy Core 9th Grade

This course begins with the concept of developing a computer-generated model of an object that is already in 3-D. The model is created and observed from many different viewpoints: animated, textured, highlighted, and dimensioned. Students learn to create, control, and use this new and powerful environment.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

ENGI_ACAD_10 Computer Integ. Manufacturing Honors Credits: 5.00 One Year Course
Academy Core 10th Grade

Students learn the fundamentals of object construction, the creation of working machines, robotics and automated systems, and the rationale, components, and applications of Computer Integrated Manufacturing.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

ENGI_ACAD_11 Principles of Engineering Honors Credits: 5.00 One Year Course
Academy Core 11th Grade

This course helps students understand the fields of engineering and engineering technology. Through application of theory and hands-on experiences, students gain first-hand knowledge of engineering systems, mechanical design applications, materials testing, structural and statistical analysis, remote control systems and dynamics. Students explore various technology systems and manufacturing processes to learn how engineers and technicians use math, science, and technology to solve everyday engineering problems to benefit people.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

ENGI_ACAD_12 Engineering Design and Dev. Honors Credits: 5.00 One Year Course
Academy Core 12th Grade

Students in this course work in teams to research an open-ended engineering problem and design a creative solution to it by learning and following a design process. A detailed journal containing all designs, experiments, procedures, and sketches is kept by each team. Progress reports are also submitted at various times detailing the team's current point of development. At the end of the course, each team submits a presentation and a working prototype of its unique solution to the original problem. Each group is required to defend what it has learned with an oral presentation before an outside panel.

*This course counts toward the 21st Century Career Readiness requirement for graduation.

All Academy Programs

MSCA4310
Grade 12

Senior Experience

Credits: 0

One Year Course

Senior experience is a required internship program that focuses on developing student readiness for their professional futures in the workplace. Senior experience is an interactive career-based learning partnership through which students increase, in depth and scope, their knowledge and abilities in an area aligned with their Academy program. Ongoing journal entries and a culminating senior project are requirements for successful completion of this pass/fail course.

*This course counts toward the 21st Century Career Readiness requirement for graduation.