HARRISON HIGH SCHOOL

Course Catalog

Updated 2/5/2026

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HARRISON HIGH SCHOOL

English
Course Catalog

ENGLISH

Support Lit & Comp I (Fall)/Literature & Composition I (Spring)

Course Description: This course sequence is designed to offer extra support and build literacy and reading skills in the fall before students take Literature & Composition I in the spring. In the spring, students will transition into Literature & Composition I. Literature & Composition I is the first course in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition I focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline-specific practices. This course utilizes the 9-12 standards and 9th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards.

- **Prerequisite:** 8th Grade Teacher Placement
- **Grade levels:** 9
- **Terms Offered:** Support Lit & Comp I (Fall)/Lit & Comp I (Spring)
- **Units of Credit:** 1.0 Elective Credit (Fall)/1.0 ELA Credit (Spring)

Literature & Composition I

Course Description: Literature & Composition I is the first course in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition I focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline-specific practices. This course utilizes the 9-12 standards and 9th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards.

- **Prerequisite:** 8th Grade Teacher Placement
- **Grade levels:** 9
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Literature & Composition I

Course Description: This course is an accelerated college prep course designed for the student who has a serious interest in interpreting literature and demonstrates a strong work ethic. This course is an accelerated college prep course designed for the student who has a serious interest in interpreting literature and demonstrates a strong work ethic. Literature & Composition I is the first course in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition I focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline-specific practices. This course utilizes the 9-12 standards and 9th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards.

- **Prerequisite:** 8th Grade Teacher Placement
- **Grade levels:** 9
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Support Lit & Comp II (Fall)/Literature & Composition II (Spring)

Course Description: This course sequence is designed to offer extra support and build literacy and reading skills in the fall before students take Literature & Composition II in the spring. Literature & Composition II builds on the skills developed in Literature & Composition I, deepening students' understanding and application of textual analysis, composition, language conventions, vocabulary, and rhetoric, equipping them with the skills necessary for success in upper-level English courses and preparing them for future academic challenges. This course utilizes the 9-12 standards and the 10th grade expectations of Georgia's K-12 English Language Arts Standards. This course is designed to build students' capacity in the literacy practices and skills that enhance future real-world and academic communications. By the end of the course, students will be prepared to advance to higher-level English courses with a strong foundation in both literature and composition EOC REQUIRED

- **Prerequisite:** Literature & Composition I and Teacher Placement
- **Grade levels:** 10
- **Terms Offered:** Support Lit & Comp II (Fall)/Lit & Comp II (Spring)
- **Units of Credit:** 1.0 Elective Credit (Fall)/1.0 ELA Credit (Spring)

Literature & Composition II

Course Description: Literature & Composition II builds on the skills developed in Literature & Composition I, deepening students' understanding and application of textual analysis, composition, language conventions, vocabulary, and rhetoric, equipping them with the skills necessary for success in upper-level English courses and preparing them for future academic challenges. This course utilizes the 9-12 standards and the 10th grade expectations of Georgia's K-12 English Language Arts Standards. This course is designed to build students' capacity in the literacy practices and skills that enhance future real-world and academic communications. By the end of the course, students will be prepared to advance to higher-level English courses with a strong foundation in both literature and composition. EOC REQUIRED

- **Prerequisite:** Literature & Composition I
- **Grade levels:** 10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Literature & Composition II

Course Description: This course is an accelerated college prep course designed for the student who has a serious interest in interpreting literature and demonstrates a strong work ethic. Literature & Composition II builds on the skills developed in Literature & Composition I, deepening students' understanding and application of textual analysis, composition, language conventions, vocabulary, and rhetoric, equipping them with the skills necessary for success in upper-level English courses and preparing them for future academic challenges. This course utilizes the 9-12 standards and the 10th grade expectations of Georgia's K-12 English Language Arts Standards. This course is designed to build students' capacity in the literacy practices and skills that enhance future real-world and academic communications. By the end of the course, students will be prepared to advance to higher-level English courses with a strong foundation in both literature and compositionEOC REQUIRED

- **Prerequisite:** Honors Literature & Composition I
- **Grade levels:** 10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Literature & Composition III

Course Description: Literature & Composition III is the third course in the standard pathway of secondary English language arts. This course builds upon Literature & Composition I and II, and its intention is to help students to continue the application of dynamic literacy practices. This course utilizes the 9-12 standards and the 11th grade expectations of Georgia's K-12 English Language Arts Standards. This course is designed to hone and extend students' capacity in the literacy practices and skills that enhance future real-world and academic communications. By the end of the course, students will be prepared for the rigors of senior-year English language arts and postsecondary pursuits.

- **Prerequisite:** Literature Composition II
- **Grade levels:** 11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Literature & Composition III

Course Description: This course is an accelerated college prep course designed for the student who has a serious interest in interpreting literature and demonstrates a strong work ethic. Honors Literature and Composition III is the third course in the standard pathway of secondary English language arts. This course builds upon Honors Literature & Composition I and II, and its intention is to help students to continue the application of dynamic literacy practices. This course utilizes the 9-12 standards and the 11th grade expectations of Georgia's K-12 English Language Arts Standards. This course is designed to hone and extend students' capacity in the literacy practices and skills that enhance future real-world and academic communications. By the end of the course, students will be prepared for the rigors of senior-year English language arts and postsecondary pursuits.

- **Prerequisite:** Honors Literature & Composition II
- **Grade levels:** 11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

AP English Language & Composition

Course Description: This course conforms to the College Board's course description for AP English Language and Composition as well as the Georgia Standards of Excellence for American Literature. With the goals of developing critical literacy and facilitating informed citizenship, this course guides students through reading and writing activities aligned to an introductory college-level rhetoric and writing curriculum. Students deepen and expand their understanding of how written language functions rhetorically by reading a variety of texts and writing analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments.

- **Prerequisite:** Honors Literature & Composition III
- **Grade levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Seminar (Fall)/AP Language & Composition (Spring)

Course Description: AP Seminar is the first course in the AP Capstone Diploma Program. In this course, students engage in cross-curricular conversations that explore the complexities of academic and real-world topics. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in groups to communicate their ideas through multimedia presentations. Students taking this course will be scheduled in the follow-up AP Language & Composition Spring Semester.

- **Prerequisite:** Honors Literature & Composition II and Teacher Recommendation
- **Grade levels:** 11
- **Terms Offered:** AP Seminar (Fall)/AP Lang. (Spring)
- **Units of Credit:** 2.0 (1 – AP Seminar (Fall)/1 – AP Lang. (Spring)
- **Quality Point:** 1.0 AP Seminar (Fall)/ 1.0 AP Lang. (Spring)

AP Research (Fall)/AP English Literature & Composition (Spring)

Course Description: AP Research is the second course in the AP Capstone Diploma Program. In this course, students explore an academic topic, problem, or issue through the design, planning and implementation of a yearlong investigation. Students learn research methodology, employ ethical research practices, and synthesize new findings within a final academic paper and research presentation.

- **Prerequisite:** AP Seminar/AP Language
- **Grade levels:** 12
- **Terms Offered:** AP Research (Fall)/AP Lit. (Spring)
- **Units of Credit:** 1.0 Elective Credit (Fall)/1.0 ELA Credit (Spring)
- **Quality Point:** 1.0 AP Research (Fall)/1.0 AP Lit. (Spring)

H Dramatic Writing I/H Theater Arts & Literature – (1 English credit and 1 Fine Arts credit earned in one semester with this course/ Elective and/or can be taken in the place of Literature and Composition IV)

Course Description: How do your favorite movies and television shows make it to the screen? It all starts with the writers. In this course, students read, view, and analyze a variety of film and television media from a writer's point of view. Students apply these skills to create and develop dramatic writing for theatrical media with special emphasis on film and television. The Honors course delves into more sophisticated television and film structures and encourages students to write more sophisticated scripts.

- **Prerequisite:** Literature & Composition III or H Literature & Composition III
- **Grade levels:** 12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 2.0 (1 H Dramatic Writing I Credit/1 H Theater Arts & Literature Credit)
- **Quality Point:** 0.5 H Dramatic Writing/0.5 H Theater Arts & Literature

Literature & Composition IV

Course Description: Literature & Composition IV is the fourth course in the standard pathway of secondary English language arts courses. This course builds upon the skills and understandings gained in Literature & Composition I-III, and its intention is that students will be prepared to communicate effectively across a wide variety of contexts beyond the K-12 classroom. This course utilizes the 9-12 standards and the 12th grade expectations of Georgia's K12 English Language Arts Standards. By the end of the course, students will be ready to successfully engage in postsecondary real-life, academic, and/or workforce communications.

- **Prerequisite:** Literature & Composition III
- **Grade levels:** 12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP English Literature & Composition

Course Description: This course conforms to the College Board's course description for AP English Literature and Composition. With the goal of developing students' ability to experience, interpret, and evaluate literature, the course offers opportunities to read poetry, drama, fiction (both novel and short story), and expository prose. Emphasis is placed on the literary artistry of a work and how its author attempts to capture and convey human experience. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays as well as creative writing to deepen students' understanding of how literature is written. Reading selections include sophisticated works aligned with an introductory college-level literature course.

- **Prerequisite:** Honors Literature & Composition III
- **Grade levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

Mythology

Course Description: This course explores mythology through literature and film. Focusing on a study of modern mythology, the student develops an understanding of chronological context and relevance of period structures in literature within mythologies of different time periods around the world. This is an English elective course.

- **Prerequisite:** None
- **Grade levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Yearbook

Course Description: This course helps produce The Legacy, the Harrison High School yearbook. In this course, students will gain skills in the following areas: page design, publishing techniques, copy writing, editing, photography, record keeping, time management, teamwork, marketing, and leadership skills. Students are tasked with producing a timeless, creative, and innovative publication which will record our school's academics, athletics, and the arts as well as other school and community events.

- **Prerequisite:** Application Only – Application deadline is February 20th
- **Grade levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

HARRISON HIGH SCHOOL

Math
Course Catalog

MATH

Foundations of Algebra and Algebra

Course Description: Foundations of Algebra provides many opportunities to revisit and expand the understanding of foundational algebra concepts, employs diagnostic means to offer focused interventions, and incorporates varied instructional strategies to prepare students for required high school courses. The course emphasizes both algebra and numeracy in a variety of contexts including number sense, proportional reasoning, quantitative reasoning with functions, and solving equations and inequalities. This is a year-long course comprised of two semesters. During the first semester, students will take the Foundations of Algebra which is a support class. The support class will prepare students for High School Math. Students will complete support modules which are intended to better prepare students for success in a high school math classroom and focus on skills that may not have been previously mastered. Second semester students will complete the units in the Algebra (see description below) course and take the end of course test.

- **Pre-requisites:** 8th Grade Teacher Placement
- **Grade Levels:** 9
- **Terms Offered:** Foundations Fall & Algebra Spring
- **Units of Credit:** 2.0 (1 math credit and 1 elective credit)

Algebra

Course Description: This course is the first course in a sequence of three high school courses designed to ensure career and college readiness. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning.

- **Pre-requisites:** 8th Grade Teacher Placement
- **Grade Levels:** 9
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Algebra

Course Description: This course is designed to challenge all first-year algebra students who desire a more rigorous study of algebra concepts. This course is designed as the first course in a three-course series. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning.

- **Pre-requisites:** 8th Grade Teacher Placement
- **Grade Levels:** 9
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Geometry Support and Geometry

Course Description: This is the support portion of the second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. As a support course, the focus will be on creating the foundation for these concepts to be mastered in Geometry. Additional Information: Instruction and assessment will include the appropriate use of manipulatives and technology. Topics will be represented in multiple ways, such as concrete/pictorial, verbal/written, numeric/data-based, graphical, and symbolic. Concepts will be introduced and used, where appropriate, in the context of realistic phenomena.

- **Pre-requisites:** Foundations of Algebra/Algebra
- **Grade Levels:** 9-12
- **Terms Offered:** Geometry Support Fall & Geometry Spring
- **Units of Credit:** 2.0 (1 math credit and 1 elective credit)

Geometry

Course Description: Geometry is the second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

- **Pre-requisites:** Algebra
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Geometry

Course Description: This is the second course in a sequence of courses designed to provide students with a more rigorous program of study in preparation for advanced placement mathematics. It includes an in-depth examination of students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

- **Pre-requisites:** Successful completion of Honors Algebra
- **Grade Levels:** 9-10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

College Readiness & Advanced Algebra

Course Description: College Readiness and Advanced Algebra is the culminating course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits. Students will continue to enhance their data and statistical reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In Advanced Algebra, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations, and functions to further understand the world around them.

- **Pre-requisites:** Geometry Support/Geometry
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 2.0 (1 – College Readiness/1 – Advanced Algebra)

Advanced Algebra

Course Description: This the third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. Students will continue to enhance their data and statistical reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In Advanced Algebra, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations, and functions to further understand the world around them.

- **Pre-requisites:** Geometry
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Advanced Algebra

Course Description: This is the third course in the honors mathematics program and is a course designed to ensure readiness for advanced placement mathematics. Students will continue to enhance their data and statistical reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In Honors Advanced Algebra, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations, and functions to further understand the world around them. It requires students to investigate in depth the following concepts:

- **Pre-requisites:** Successful completion of Honors Geometry
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

Pre-Calculus

Course Description: This is a fourth-year mathematics course option for students who have completed Advanced Algebra. The course is intended to provide students with opportunities to develop a deeper understanding of Algebraic concepts that are critical to the study of Calculus. Students will also deepen their understanding of trigonometry and its applications. The course includes the study and analysis of piecewise and rational functions; limits and continuity as related to piecewise and rational functions; sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of trigonometric equations in a variety of contexts; and the manipulation and application of trigonometric identities.

- **Pre-requisites:** Successful completion of Advanced Algebra
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Pre-Calculus

Course Description: This is the fourth in the sequence of mathematics courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. Taking AP Precalculus prepares you for other college-level mathematics and science courses. During the course, you'll explore everyday situations using mathematical tools and lenses. You'll also develop an understanding of modeling and functions and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science.

- **Pre-requisites:** Successful completion of Honors Advanced Algebra
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit**: 1.0
- **Quality Point**: 0.5

Advanced Mathematical Decision Making

Course Description: Advanced Mathematical Decision Making (AMDM) is a fourth-year mathematics course option designed to follow the completion of Advanced Algebra: Concepts and Connections. Students will enhance their understanding of concepts explored in the context of real-life phenomena. The intent of this course is for students to combine their understanding of multiple mathematical concepts as they explore and solve real-world mathematical problems. Students will investigate applications of mathematics in a variety of contexts, including business and financial decision-making, earning, investing, spending, and borrowing money, using functions to model problem situations in both discrete and continuous relationships, and using ratios, rates, and percentages to solve problems,

- **Pre-requisites:** Advanced Algebra
- **Grade Levels:** 11-12
- **Terms Offered**: Fall & Spring
- **Units of Credit:** 1.0

Statistical Reasoning

Course Description: Statistical Reasoning is a fourth-year math course that offers students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Students will formulate statistical investigative questions to be answered using data, will design and implement a plan to collect the appropriate data, will select appropriate graphical and numerical methods for data analysis, and will interpret their results to make connections with the initial question. The Mathematical Modeling and Statistical Reasoning Frameworks will provide the foundation for instruction and assessment. Topics should be introduced and assessed using simulations and appropriate supporting technology.

- **Pre-requisites:** Advanced Algebra
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Calculus

Course Description: This course is a fourth-year mathematics course option for students who have completed Precalculus. The course provides students with the opportunity to develop an understanding of the derivative and its applications as well as the integral and its applications. Throughout the course there should be a focus on notational fluency and the use of multiple representations. The Calculus course includes the study and analysis of limits and continuity as applied to a variety of functions; the derivative as related to limits and continuity; various derivative rules such as product, quotient, and chain; applications of the derivative including curve analysis, applied max/min situations, related rate problems, and use of Mean Value Theorem; the definite integral as a limit of Riemann sums; properties of definite integrals; the Fundamental Theorem of Calculus as it relates derivatives and integrals; techniques of integration including u-substitution; and applications of the integral including solving separable differential equations, finding a particular solution curve given an initial condition, area between curves on a coordinate plane, and average value situations. This course includes many of the topics taught in AP Calculus but does not provide the same depth of study associated with AP Calculus. The non-AP Calculus course is designed for students who do not wish to receive college credit through the Advance Placement Exam.

- **Pre-requisites:** Pre-Calculus or AP Pre-Calculus
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Credit:** 1.0
- **Quality Point:** 0.5

AP Calculus AB

Course Description: This course focuses on single-variable calculus that includes techniques and applications of the derivative, techniques, and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course.

- **Pre-requisites:** Successful completion of AP Pre-Calculus
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Calculus BC

Course Description: This course focuses on single-variable calculus that includes techniques and applications of the derivative, techniques, and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course.

- **Pre-requisites:** Successful completion of AP Calculus AB
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Statistics

Course Description: AP Statistics is the equivalent of a one-semester college survey course in statistics. The structure, pace, and depth of the material will reflect the general rigor of the university level. Statistics is like no other branch of mathematics you only need a basic familiarity with some concepts from advanced algebra to do the mathematical work. What makes statistics difficult is not in the "math," but in the application of what we learn. Because of the application-oriented nature of statistics, we will often use an activity-based approach to the course.

- **Pre-requisites:** Successful completion of Pre-Calculus or AP Pre-Calculus
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Multivariable Calculus

Course Description: Multivariable Calculus is a fourth-year mathematics course option for students who have completed AP Calculus BC. It includes three-dimensional coordinate geometry; matrices and determinants; eigenvalues and eigenvectors of matrices; limits and continuity of functions with two independent variables; partial differentiation; multiple integration; the gradient; the divergence; the curl; Theorems of Green, Stokes, and Gauss; line integrals; integrals independent of path; and linear first-order differential equations.

- **Pre-requisites:** Successful completion of AP Calculus BC
- **Grade Level:** 12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Differential Equations

Course Description: Differential Equations is an option for students who wish to enroll in a mathematics course beyond Multivariable Calculus. The course provides an introduction to ordinary differential equations. Topics include the solution of first, second, and higher order differential equations, systems of differential equations, series solutions and Laplace transforms. There will be a strong focus on the presentation of mathematical ideas through both written and oral communication. The goal is to give students the skills and techniques they will need as they study advanced mathematics at the college level.

- **Pre-requisites:** Successful completion of Multivariable Calculus
- **Grade Level:** 12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Georgia Tech Distance Learning – Linear Algebra Math 1554

Course Description: This course concludes the study of single variable calculus and begins components of linear algebra. Topics include the calculus study of Taylor Series, Lagrange Error, infinite series and Improper Integrals and the theory of linear equations in several variables including vectors, LU factorization, subspaces, Gram Schmidt process, QR factorization and Eigenvalues and Eigenvectors. Additional Information: This course is taught by faculty at Georgia Tech and delivered via distance learning. The Georgia Tech course number for this course is MATH 1554.

- **Pre-requisites:** Completion of AP Calculus BC, submittal of the completed GT Distance Calculus application and acceptance by Georgia Tech into the program.
- **Grade Level:** 12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Georgia Tech Distance Learning – Multivariable Calculus Math 2551

Course Description: This course examines multivariable calculus: linear approximation and Taylor's theorems, Lagrange multiples and constrained optimization, multiple integration and vector analysis including the theorems of Green, Gauss, and Stokes. Additional Information: This course is taught by faculty at Georgia Tech and delivered via distance learning. The Georgia Tech course number for this course is MATH 2551.

- **Pre-requisites:** Successful completion of Linear Algebra Math 1554
- **Grade Level:** 12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

HARRISON HIGH SCHOOL

Science
Course Catalog

SCIENCE

Biology I

Course Description: In this course, students will learn and understand biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels. Students will also be able to implement applications of biological processes to everyday situations. This course meets the graduation requirement of one unit of Biology.

- **Pre-requisites:** 8th Grade Teacher Placement
- **Grade Levels:** 9-10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Biology

Course Description: Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine. In this course, students will learn and understand biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels. Students will also be able to implement applications of biological processes to everyday situations. This course meets the graduation requirement of one unit of Biology. To be successful in this freshman class, a student should exhibit the following characteristics: higher level reading comprehension, good writing skills, able to work independently, good study skills/habits, motivated self-learner, good work ethic – consistent daily homework completion, experienced in problem solving, analysis, and interpretation.

- **Pre-requisites:** 8th Grade Teacher Placement
- **Grade Levels:** 9-10
- **Terms Offered**: Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

Environmental Science

Course Description: Designed as an integrated and global approach to science and technology, this course focuses on the links between living things, their surroundings, and the total environment of the planet. The scientific principles and related technology will assist the student in understanding the relationships between local, national, and global environmental issues. The intent of the course is to help individuals become informed, get involved, and care for themselves and the environment.

- **Pre-requisites:** One unit of Biology or Teacher Recommendation
- **Grade Levels:** 9-10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Chemistry

Course Description: This course includes a study of the structure, properties, and functions of matter; and is the foundation for a variety of fields of study, as well as the basis for much of modern-day industry and economics. Because of the abstract nature of atoms and molecules, there is a strong conceptual component in its study, including both qualitative and quantitative laboratory work and mathematical analysis.

- **Pre-requisites:** Successful completion of Biology
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Chemistry

Course Description: Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine. This course includes a study of the structure, properties, and functions of matter; and is the foundation for a variety of fields of study, as well as the basis for much of modern-day industry and economics. Because of the abstract nature of atoms and molecules, there is a strong conceptual component in its study, including both qualitative and quantitative laboratory work and mathematical analysis. The honors level includes a significant amount of mathematics.

- **Pre-requisites:** Successful completion of Honors Biology
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

Honors Chemistry Fall Semester/AP Chemistry Spring Semester

Course Description: Student may double up and take Honors Chemistry in the fall and AP Chemistry in the Spring. Both are accelerated courses and students will earn an Honors Chemistry and an Advanced Placement Chemistry credit. Content covered will encompass the foundational knowledge of chemistry, outlined in the Georgia Standards of Excellence, and the AP curriculum outlined by the College Board. These courses are intended for accelerated 10th graders who have an interest in taking Honors and AP chemistry. These courses will provide students with the conceptual framework, factual knowledge, and analytical skills needed to deal with the rapidly changing science of chemistry.

- **Pre-requisites**: Successful completion of Honors Biology and Algebra/H Algebra and Teacher Recommendation
- **Grade levels**: 10-12
- **Terms Offered**: H Chemistry Fall/AP Chemistry Spring
- **Units of Credit**: 1.0 credit H Chemistry Fall/1.0 credit AP Chemistry Spring
- **Quality Point**: 0.5/1.0

Physics I

Course Description: This course includes a detailed study of energy and its relation to matter, beginning with mechanics (the study of motion), and extending to nuclear, sound, and electromagnetic energies. Electromagnetic energies include optics and electricity and magnetism. Vector mathematics and algebraic analysis are used extensively. This course will satisfy the graduation requirement of one unit of a physical science or may be used as regular science credit.

- **Pre-requisites:** Successful completion of Biology and Chemistry or Environmental Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors Physics

Course Description: This course includes a detailed study of energy and its relation to matter, beginning with mechanics (the study of motion), and extending to nuclear, sound, and electromagnetic energies. Electromagnetic energies include optics and electricity and magnetism. Vector mathematics and algebraic analysis are used extensively. This course will satisfy the graduation requirement of one unit of a physical science or may be used as regular science credit.

- **Pre-requisites:** Successful completion of Honors Biology and Honors Chemistry
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

H Physics Fall Semester/AP Physics 1 Spring Semester

Course Description: Students may double up and take Honors Physics in the fall and AP Physics 1 in the spring. Both courses are accelerated courses where students will earn Honors and Advanced Placement Physics 1 credit. Content covered will encompass the foundational knowledge of physics, outlined in the Georgia Standards of Excellence, and the AP curriculum outlined by the College Board. This course is intended for accelerated 11th graders who have an interest in taking honors and AP physics. This course will provide students with the conceptual framework, factual knowledge, and analytical skills needed to deal with the science of physics.

- **Prerequisite:** Honors Biology, Honors Chemistry, Algebra and Geometry with a recommended grade of 95 or higher AND/OR Teacher Recommendation
- **Grade Levels:** 11
- **Terms Offered:** H Physics Fall/AP Physics Spring
- **Units of Credit:** 1.0 credit H Physics Fall/1.0 credit AP Physics Spring
- **Quality Point**: 0.5/1.0

Astronomy

Course Description: With a study of the matter and energy beyond the earth's atmosphere and the relationship between the earth and that matter and energy, topics in this course include the structure and origin of planets and planetesimals, stars, galaxies and galaxy clusters, dark matter, the edge of the universe, and the energy of the universe.

- **Pre-requisites:** Two units of Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Environmental Science

Course Description: With a scientific systematic examination of the interrelationships of the natural world, the student will be able to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

- **Pre-requisites:** One unit of Biology and one unit of Chemistry, both with a recommended grade of 90 or higher in either classes; or successful completion of Honors Biology and Honors Chemistry
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Honors Forensic Science

Course Description: Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence. Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.

- **Pre-requisites:** Successful completion of 1 Honors Science classes OR successful completion of 2 on-level Science classes.
- **Grade Levels:** 10-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

Honors Human Anatomy/Physiology

Course Description: Designed to give the student an overview of the structures and functions of the major systems of the human body, this honors level course is an accelerated course, designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.

- **Pre-requisites:** Successful completion of H Biology and H Chemistry or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring (As determined by registration numbers)
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

Zoology

Course Description: With a systematic study of the animal kingdom and their basic identification characteristics, emphasis in this course will be placed on comparative anatomy, as well as on the methods that each phyla uses to accomplish the basic life processes.

- **Pre-requisites:** Successful completion of Biology and Chemistry or Environmental Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Oceanography

Course Description: Oceanography students will recognize that the ocean is a dynamic system reflecting interactions among organisms, ecosystems, chemical cycles, and physical and geological processes, on land, in air, and in the oceans. Students will investigate oceanography concepts through experience in laboratories and fieldwork using the processes of inquiry.

- **Pre-requisites:** Successful completion of Biology and Chemistry or Environmental Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring (As determined by registration numbers)
- **Units of Credit:** 1.0

AP Biology

Course Description: Designed to be the equivalent of a college introductory biology course usually taken by biology or other science majors during their first year. the AP course in biology differs significantly from the usual first high school course in biology with respect to the textbook used, the range and depth of topics covered, laboratory work done by students, and the time and effort required of students. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Some college freshmen are permitted to undertake upper-level courses in biology or register for courses for which biology is a prerequisite after achieving an adequate score on the optional Advanced Placement Examination.

- **Pre-requisites:** One unit of Biology and one unit of Chemistry (both with a recommended grade of 90 or higher) OR Honors Biology and Honors Chemistry (80 or higher)
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Chemistry

Course Description: Designed to be the equivalent of a college introductory chemistry course usually taken by students who have an interest in biological sciences, physical sciences, or engineering, the Advanced Placement Chemistry course expands the knowledge and skills gained during the introductory high school chemistry course. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of chemistry.

- **Pre-requisites:** Honors Chemistry with a minimum score of 80 AND Honors Algebra II with a minimum score of 85 OR Teacher Recommendation with the same math requirements cited
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Physics 1

Course Description: AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

- **Pre-requisites:** Successful completion of Honors Chemistry or Honors Physics AND Geometry/Honors Geometry with a minimum score of 80
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Physics C (Mechanics)

Course Description: This calculus-based course includes a detailed study of classical (Newtonian) mechanics. Some students as college freshmen are permitted to undertake upper-level courses in physics or register for courses for which physics is a prerequisite after achieving an adequate score on the optional Advanced Placement examination.

- **Pre-requisites:** Honors Physics with a minimum score of 80 and Calculus or concurrent with AP Calculus OR Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Physics 2

Course Description: AP Physics 2 is an algebra-based, introductory college-level physics course that continues the study of physics beyond the topics in AP Physics 1. In AP Physics 2, students further explore electricity and circuits (including capacitors), electromagnetism, optics, fluids, thermodynamics, and modern physics (including nuclear physics, quantum mechanics, and relativity). Through inquiry-based learning, students will further develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

- **Pre-requisites:** Honors Physics/AP Physics 1 or C with a minimum score of 80 AND a minimum score of 80 in Geometry/Honors Geometry OR Teacher Recommendation.
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of credit:** 1.0
- **Quality Point**: 1.0

HARRISON HIGH SCHOOL

Social Studies
Course Catalog

SOCIAL STUDIES

World Geography

Course Description: This course provides an overview of physical and cultural geography. Additionally, an awareness of similarities and differences in human needs and behaviors is developed. Areas of study include North and South America, Europe, Africa, Asia, and the Pacific Islands.

- **Pre-requisites:** 8th Grade Teacher Placement
- **Grade Levels:** 9
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

World History

Course Description: A survey of people and nations of both Western and non-Western civilizations, this course explores the political, cultural, and economic heritage of civilization from the time of recorded history through the industrial revolution (5000 B.C. - 1800's) and from the rise of nationalism to contemporary times (1800's - present). Critical thinking and problem solving are stressed.

- **Pre-requisites:** Teacher Recommendation
- **Grade Levels:** 10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors World History

Course Description: A survey of people and nations of both Western and non-Western civilizations, this course explores the political, cultural, and economic heritage of civilization from the time of recorded history through the Industrial Revolution (5000 B.C. - 1800's) and from the rise of nationalism to contemporary times (1800's - present). Critical thinking and problem solving are stressed. Extensive reading and writing are required.

- **Pre-requisites:** 8th or 9th Grade Teacher Placement
- **Grade Levels:** 9-10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

AP World History

Course Description: In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

- **Pre-requisites:** Honors World History or AP Human Geography or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

United States History

Course Description: A survey of the development of the United States from discovery through the present, this course serves to increase knowledge, awareness, and appreciation of America's social, political, and economic evolvement from colonization to its current position as a world leader.

- **Pre-requisites:** World History
- **Grade Levels:** 11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Honors United States History

Course Description: A survey of the development of the United States from discovery through the present, this course serves to increase knowledge, awareness, and appreciation of America's social, political, and economic evolvement from colonization to its current position as a world leader. Extensive reading and writing are required.

- **Pre-requisites:** Honors World History or AP World History and Teacher Recommendation
- **Grade Levels:** 11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 0.5

AP United States History

Course Description: This course conforms to the College Board topics for the Advanced Placement United States History exam and satisfies the U.S. History requirement for graduation. It covers United States history from the time of earliest settlements to the present. The course targets political, economic, and social aspects of history, but also includes diplomatic and intellectual history. The course will involve readings, frequent written analysis, and test taking skills to prepare students for the AP examination. Students are expected to sign up for and take the Advanced Placement exam in United States History.

- **Pre-requisites:** Previous AP Social Studies Recommended or Teacher Recommendation
- **Grade Level:** 11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Economics/Government

Course Description: This course satisfies the 0.5 credit for economics and 0. 5 credit for government requirements for graduation and includes a study of fundamental concepts, economic systems, government regulation, microeconomics, macroeconomics, and international trade. Focus areas include opportunity costs and scarcity, supply/demand analysis, competitive markets, measurement of the economy, business cycles, inflation, unemployment, monetary and fiscal policies, and international economics. In addition, students will learn personal finance which they can apply to their lives long after the course. This includes credit cards, saving and investing, insurance, retirement planning, banking, taxes, etc. In addition to direct instruction, students will also participate in economic simulations of supply and demand, opportunity cost, inflation, the Federal Reserve, currency exchange rates, and more. This course also includes a study of the United States government including the development of our political system, the U.S. Constitution, Bill of Rights, federalism, civil liberties, political parties, and political theory. Students will learn the workings of our executive, legislative and judicial branches. Students will also be exposed to the workings of the government of Georgia and the local level. Citizenship rights and responsibilities are emphasized. Students will participate in researchbased simulations possibly including the U.S. Supreme Court, U.S. House of Representatives, a presidential election campaign, and will draft and debate their own proposed laws.

- **Pre-requisites:** U.S. History
- **Grade Level:** 12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** Economics 0.5/Government 0.5

Honors Economics/Government

Course Description: This accelerated course satisfies the 0.5 credit for economics and the 0.5 credit for government requirements for graduation and includes a study of fundamental concepts, economic systems, government regulation, microeconomics, macroeconomics, and international trade. Focus areas include opportunity costs and scarcity, supply/demand analysis, competitive markets, measurement of the economy, business cycles, inflation, unemployment, monetary and fiscal policies, and international economics. In addition, students will learn personal finance which they can apply to their lives long after the course. This includes credit cards, saving and investing, insurance, retirement planning, banking, taxes, etc. In addition to direct instruction, students will also participate in economic simulations of supply and demand, opportunity cost, inflation, the Federal Reserve, currency exchange rates, and more. This course also includes an accelerated study of the United States government including the development of our political system, the U.S. Constitution, Bill of Rights, federalism, civil liberties, political parties and political theory. Students will learn the workings of our executive, legislative and judicial branches. Students will also be exposed to the workings of the government of Georgia and the local level. Citizenship rights and responsibilities are emphasized. Students will participate in research-based simulations possibly including the US Supreme Court, U.S. House of Representatives, a presidential election campaign, and will draft and debate their own proposed laws. Current events and real life applications of the content will be emphasized. Students will analyze primary source documents from the U.S. Government and will write about them. They will also be given scenarios involving the government and will suggest legal resolutions to them in line with the roles/powers of government branches.

- **Pre-requisites:** Honors U.S. History or AP U.S. History and Teacher Recommendation
- **Grade Level:** 12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** H Economics 0.5/H Government 0.5
- **Quality Point**: 0.5 H Economics/0.5 H Gov.

AP United States Government and Politics

Course Description: This course conforms to the College Board topics for the Advanced Placement American Government and Politics exam and satisfies the government requirement for graduation. It is the study of state and federal government functions. Focus areas include the development of the political system, federalism, political parties, and political theory. The executive, legislative, and judicial branches will be studied. In addition to direct instruction, students will participate in simulations such as the U.S. Supreme Court and the U.S. Congress and will participate in group discussions and debates. Students are expected to sign up for and take the Advanced Placement exam in United States Government.

- **Pre-requisites:** Honors U.S. History or AP U.S. History and Teacher Recommendation
- **Grade Level:** 12
- **Terms Offered:** Yearlong with AP Microeconomics
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Microeconomics

Course Description: AP Microeconomics conforms to the College Board topics for the Advanced Placement Microeconomics examination and also satisfies the economics requirement for graduation. It covers basic economic concepts, the nature and functions of product markets, factor markets, efficiency, equity, and the role of government. While the course focuses on microeconomics, students will also learn content to apply to their lives long after the course such as credit cards, saving and investing, insurance, retirement planning, banking, taxes, etc. They will also learn the Georgia standards for macroeconomics. In addition to direct instruction, students will take part in economic simulations of supply and demand, market structures, inflation, the Federal Reserve, taxes, foreign exchange rates, and more. Current events will be emphasized, and students will be expected to apply economic analysis from class to explain these events in writing and in graphical fashion. Students may also take part in economic debates on a variety of topics. Students are expected to sign up for and take the Advanced Placement exam in Microeconomics.

- **Pre-requisites**: Honors or AP U.S. History and Teacher Recommendation
- **Grade Level:** 12
- **Terms Offered:** Yearlong with AP Government
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Macroeconomics

Course Description: AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

- **Pre-requisites**: Honors or AP World History and Teacher Recommendation
- **Grade Level:** 11-12
- **Terms Offered:** Fall and/or Spring (depending on registration numbers)
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Psychology

Course Description: This elective is the study of principles of psychology, developmental psychology, heredity, and environmental aspects of psychology, learning theory, personality, intelligence, social disorders, and research methods used in the study of psychology. The goal is for the student to apply the principles and knowledge taught in the course to everyday situations and gain a better understanding of human behavior. The class will include lecture, film, discussion, projects, and labs. Some outside reading is expected.

- **Pre-requisites:** Successful completion of 1 unit in Social Studies
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Sociology

Course Description: This elective course offers a study of human society and social behavior. The purpose of the course is to provide students with a basic understanding of how humanity is shaped largely by the groups to which people belong and by the social interaction that take place with those groups. The curriculum of the course is very relevant to our day to day lives and interactions with our family, friends, and classmates. Throughout the semester, contemporary social issues will be discussed in a large group and small group setting. Students will study the causes and possible solutions of these social issues. Students will engage in a variety of different activities such as discussions, experiments, case studies, observations, and class projects. An example of some the topics that will be covered in this course are research methods, theories, origins of Sociology, norms in society, influence of environment on personality development, social inequalities, and social institutions.

- **Pre-requisites:** None
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Current Issues

Course Description: The purpose of Current Issues is to understand, analyze, and evaluate current issues affecting our world today. The students will be able to understand and detect bias in the media, understand and evaluate the different types of news, and gather, research and evaluate data. In addition, students will develop information processing skills by reading and interpreting maps and graphs. They will also develop public speaking skills and identify the role of our community in the world.

- **Prerequisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Sports in United States Society

Course Description: The Sports in United States Society course examines the vital sociological role of sport in the making of United States society and culture, and vice-versa. The course analyzes the reasons for and popularity of youth, high school, collegiate, and professional sports and the interrelationship between sports and other social institutions, such as the economy, education, media, and politics. Inequalities and deviance in society that are reflected in sports are discussed, along with social progress championed through sports. Current issues and controversies in sports that are a microcosm of society are also presented.

- **Prerequisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Psychology

Course Description: The purpose of the elective Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will learn about topics such as social disorders and therapy, learning theory, personality development, and social psychology. They also learn about the methods psychologists use in their science and practice. The aim of the AP college introductory course is to provide students with a learning experience equivalent to that obtained in most college introductory psychology courses. The class will include lectures, film, discussion, outside reading and labs. College credit can be earned by achieving an acceptable score determined by the college you choose to attend. Students are expected to sign up for and take the Advanced Placement examination in psychology.

- **Pre-requisites:** AP Human Geography and/or Honors World History and Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Comparative Government and Politics

Course Description: AP Comparative Government and Politics is an elective course offered spring semester for 10th through 12th graders. This course is intended for social studies students with an interest in government, political science, and world affairs. According to the College Board, "This course introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues." Again, this course is an elective and does not satisfy the government requirement for graduation.

- **Prerequisites:** AP Human Geography or Honors World History or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring (depending on registration numbers)
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP Human Geography

Course Description: AP Human Geography focuses on the distribution, processes, and effects of human populations on the planet. Case studies from around the globe are compared to the situation in both the United States and locally in our local municipalities and state.

- **Pre-requisites:** Successful completion of Honors World History or 8th Grade Teacher Placement
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP European History

Course Description: AP European History provides students with knowledge of the basic chronology of major events and trends in Europe from 1450 to the present, and is designed to help students develop an understanding of the principal themes in modern European history. The study of European History since 1450 introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which we live. Additional Information: The goals of AP European History are to develop 1. An understanding of some of the principal themes in modern European history; 2. An ability to analyze historical evidence and historical interpretation; and 3. An ability to express historical understanding in writing.

- **Pre-requisites:** Honors World History or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP African American Studies

Course Description: AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills.

- **Pre-requisites:** World History/H World History or the Equivalent or Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring (depending on registration numbers)
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

HARRISON HIGH SCHOOL

CTAE
Course Catalog

CTAE

AUDIO-VIDEO TECHNOLOGY & FILM PATHWAY

1. Audio-Video Technology & Film – I

Course Description: Students taking this course will learn the basics of video production and broadcasting. They will learn and demonstrate their video production skills on a variety of recording devices such as smartphones and entry level consumer video cameras. They will learn and demonstrate pre-production skills to plan their videos and post-production skills using industry standard editing software. They will then use these skills to produce a 'live-to-tape' broadcast in a state-of-the-art studio and control room. Students will also develop key "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. SkillsUSA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses. The pre-requisite for this course is advisor approval.

- **Pre-requisites:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Audio-Video Technology & Film – II

Course Description: Students taking this course will expand upon the knowledge and skills gained in AVTF-I. They will enhance their video skills through more in-depth use of cinematic lighting techniques and audio recording and editing. Students will be introduced to motion and production graphics and special effects using Adobe Production Premium After Effects and learn workflows that will enable them to utilize these skills in their videos. Students will explore multi-track audio editing with Adobe Audition. They will continue to work on and develop their "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film II will be utilized in subsequent courses. The pre-requisite for this course is AVTF-I. Both AVTF-I and AVTF-II are required courses for the AVTF I and AVTF II Pathways.

- **Pre-requisites:** AVTF-I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Audio-Video Technology & Film – III

Course Description: This course is the final course of the AVTF I Pathway. This one-credit transition course is designed to facilitate authentic video production projects for organizations both in and out of school under the guidance of the instructor. Students work cooperatively and independently in all phases of production. Communication, teamwork, customer service and problem solving are all skills that will be used in these "real-life" projects. A digital portfolio website will be created showcasing the best work. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA), and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. Knowledge gained and reinforced in this class will help students successfully complete the End-Of-Pathway-Assessment (EOPA) for this pathway which may result in college credits being earned for post-secondary courses.

- **Pre-requisites:** AVTF-I and AVTF-II
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

4. Broadcast Video Production – IV: Applications

Course Description: Broadcast Video Production IV-Applications is designed to immerse qualified students to a student produced live broadcast environment. Many key aspects of this class are based on the equipment and workflow used in network broadcasts. Positions both in front of, and behind, the camera are used with upward mobility to crew Producers and Directors a possibility. Students will work on and develop their "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. Knowledge and experience gained and reinforced in this course along with successful completion AVTF-I and AVTF-II will help students successfully complete the End-Of-Pathway-Assessment (EOPA) for this pathway. Students completing this course have gone on to work for networks such as ESPN-3, and other collegiate broadcast networks.

- **Pre-requisites:** Application Only – Submit BVPIV_Application to William.Phelps@cobbk12.org
- **Grade Levels**: 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

TEACHING AS A PROFESSION PATHWAY

1. Examining the Teaching Profession

Course Description: The Examining the Teaching Profession is the foundational course under the Teaching as a Profession pathway and prepares students for future positions in the field of education. Teaching as a Profession students study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards.

- **Pre-Requisite:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Contemporary Issues in Education

Course Description: This course engages the candidate in observations, interactions, and analyses of critical and contemporary educational issues. The candidate will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States and actively examines the teaching profession from multiple vantage points both within and outside of the school. Against this backdrop, the candidate will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.

- **Pre-Requisite:** Examining the Teaching Profession
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Teaching as a Profession Practicum

Course Description: The practicum offers a candidate in the Teaching as a Profession career pathway a field experience under the direct supervision of a certified teacher (mentor teacher). The practicum stresses observing, analyzing and classifying activities of the mentor teacher and comparing personal traits with those of successful teachers. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of students with special needs, maintain the safety of the students, practice professionalism, and demonstrate ethical behavior. Mastery of standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization Family, Career & Community Leaders of America (FCCLA) will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

- **Pre-requisites:** Examining the Teacher Profession & Contemporary Issues in Education
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

4. TAPS Introduction to Career Competencies

Course Description: This course offers an extension of the practicum experience and focuses on preparing the student for a career in education by teaching essential employability skills, communication strategies, and safety protocols. Students will continue their field experience under the direct supervision of a certified teacher (mentor teacher) at a local elementary school.

- **Pre-requisites:** Teaching as a Profession Practicum
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

BUSINESS AND TECHNOLOGY PATHWAY

1. Introduction to Business and Technology

Course Description: Introduction to Business & Technology is the foundational course for Business and Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society.

- **Pre-Requisite:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Business and Technology

Course Description: How is technology used to solve business problems and communicate solutions? Business and Technology is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Mastery use of spreadsheets and the ability to apply leadership skills to make informed business decisions will be a highlight of this course for students. Publishing industry appropriate documents to model effective communication and leadership will be demonstrated through project-based learning. Students will use spreadsheet and database software to manage data while analyzing, organizing, and sharing data through visually appealing presentation. Various forms of technologies will be used to expose students to resources, software, and applications of business practices. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization,
Future Business Leaders of America (FBLA) are integral components of the employability skills standard for this course.

- **Pre-Requisite:** Introduction to Business and Technology
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Business Communications

Course Description: What message are you sending when you speak, write, and listen? As one of the most important skills for employers, students will explore the value of communication in their personal and professional life. The digital presence and impact of written and visual communication in a technological society will be addressed. Students will create, edit, and publish professional appearing business documents with clear and concise communication. Creative design, persuasive personal and professional communications will be applied through research, evaluation, validation, written, and oral communication. Leadership development and teamwork skills will be stressed as students work independently and collaboratively. Presentation skills will be developed and modeled for student's master presentation software in this course. Various forms of technologies will be used to expose students to resources, software, and applications of communications. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready.

- **Pre-Requisite:** Intro to Business and Technology & Business and Technology
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

GRAPHIC AND DESIGN PATHWAY

1. Introduction to Graphics and Design

Course Description: As the first course in the Graphics Communication and Graphics Design Pathways, this course is the Introduction to Graphics and Design and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications.

- **Pre-Requisite:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

2. Graphic Design and Production

Course Description: As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. The prerequisite for this course is Introduction to Graphics and Design.

- **Pre-Requisite:** Introduction to Graphic and Design
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

3. Advanced Graphic Design (3rd course-End of first Pathway-Design)

Course Description: Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities. This is the final course in the Graphic Design pathway.

- **Pre-Requisite:** Intro to Graphics Design & Graphic Design and Production
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

4. Graphic Output Processes (4th course-End of 2nd Pathway Communications)

Course Description: As the third course in the Graphics Communication Pathway, students will gain more advanced levels of experience to complete the output processes of various projects in an increasingly independent manner. Students also learn to manage the output and completion process as a whole including customer relations management, printing, finishing, and binding. Students will continue to accumulate work samples that will constitute their personal portfolio. Upon successful completion of the course, students are prepared to move into employment or a postsecondary educational environment where self-motivation and a high.

- **Pre-Requisite:** Intro to Graphics Design, Graphic Design and Prod., & Advanced Graphic Design
- **Grade Levels:** 10-12
- **Terms Offered**: Fall & Spring
- **Unit of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

THERAPEUTIC SERVICES/SPORTS MEDICINE PATHWAY

1. Introduction to Healthcare Science

Course Description: Introduction to Healthcare Science is a foundations course for the Healthcare Science Career Pathways. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization - Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is a prerequisite for all Healthcare Science Education courses.

- **Pre-Requisite:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

2. Essentials of Healthcare (Human Anatomy as an embedded credit)

Course Description: Course Description: Essentials of Healthcare is a foundations course for the Therapeutic Medicine-Physical Medicine Career Pathways. It is appropriate for students wishing to pursue a career in the Sports Medicine/Rehabilitative Services Industry. The course focuses on the major systems of the body. Mastery of these systems and course standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is a pre-requisite for the Sports Medicine course.

- **Pre-Requisite:** Introduction to Healthcare Science
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 2.0 (1.0 Essentials of Healthcare/1.0 Human Anatomy)

3. Sports Medicine

Course Description: Sports Medicine is a course for the Therapeutic Medicine-Physical Medicine Career Pathways. It is appropriate for students wishing to pursue a career in the Sports Medicine/Rehabilitative Services Industry. The course will enable students to enhance knowledge of Therapeutic Services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, and preventative care are evaluated. Fundamental healthcare skills development is initiated including medical terminology, nutrition, basic life support and recognition and treatment of athletic injuries. Mastery of these standards will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. Completion of this course makes the student eligible to take the End of Pathway Assessment, complete the pathway and be eligible for Work-Based Learning options.

- **Pre-Requisite:** Introduction to Healthcare Science & Essentials of Healthcare
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

SPORTS & ENTERTAINMENT MARKETING PATHWAY

1. Marketing Principles

Course Description: Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Intro to Sports & Entertainment Marketing

Course Description: This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact it has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skills, Selling, Marketing-Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization. To increase the number of application experiences, students should participate in work-based learning activities and the student organization, (DECA, An Association of Marketing Students). It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** Marketing Principles
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Advanced Sports & Entertainment Marketing

Course Description: This course provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topical units include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. Project-based instruction, together with a variety of work-based learning activities, should be incorporated in this course to provide real-world application. Competitive event standards for the co-curricular student organization (DECA, An Association of Marketing Education Students) are integral components of the curriculum's core employability and technical skills' standards. Therefore, DECA competitive events should be incorporated with other instructional strategies developed for the course.

- **Pre-requisites:** Marketing Principles and Intro to Sports & Entertainment Marketing
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

MARKETING AND MANAGEMENT PATHWAY

1. Marketing Principles

Course Description: Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Marketing & Entrepreneurship: Building a Business

Course Description: Marketing and Entrepreneurship is the second course in the Marketing and Management Career Pathway. Marketing and Entrepreneurship begins an in-depth and detailed study of marketing while also focusing on management with specific emphasis on small business ownership. This course builds on the theories learned in Marketing Principles by providing practical application scenarios which test these theories. In addition, Marketing and Entrepreneurship focuses on the role of the supervisor and examines the qualities needed to be successful..

- **Pre-requisites:** Marketing Principles
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Marketing Management

Course Description: Marketing Management is the third course in the Marketing and Management pathway. Students assume a managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management and financial alternatives, managing marketing information, pricing products and services, developing product/service planning strategies, promoting products and services, purchasing, and professional sales. This course also includes global marketing where students analyze marketing strategies employed in the United States versus those employed in other countries..

- **Pre-requisites:** Marketing Principles and Entrepreneurship: Building a Business
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

COMPUTER SCIENCE PATHWAY

1. Intro to Software Technology (Computer Science)

Course Description: Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

- **Pre-requisites: None**
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Computer Science Principles

Course Description: Computer Science Principles is an engaging and creative course that allows you demonstrate and build your problem-solving ability while connecting the relevance of computer science to the society. Computer Science Principles is an intellectually rich and engaging course that is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts programming apps, abstracting, analyzing problems and artifacts, communicating, and collaborating.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9th Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0

2. AP Computer Science Principles

Course Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9th Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

3. AP Computer Science A

Course Description: AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language

- **Pre-requisites:** Intro to Software Technology, Computer Science Principles or AP Computer Science Principles, and Algebra
- **Grade Levels:** 11-12 (10th with Teacher Recommendation)
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

PROGRAMMING PATHWAY

1. Intro to Software Technology (Computer Science)

Course Description: Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world and its impact on their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

- **Pre-requisites: None**
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Computer Science Principles

Course Description: Computer Science Principles is an engaging and creative course that allows you demonstrate and build your problem-solving ability while connecting the relevance of computer science to the society. Computer Science Principles is an intellectually rich and engaging course that is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts programming apps, abstracting, analyzing problems and artifacts, communicating, and collaborating.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9^{th} Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0

2. AP Computer Science Principles

Course Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9^{th} Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

3. Programming Games Apps & Society

Course Description: Programming Games Apps & Society is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry

- **Pre-requisites:** Intro to Software Technology, Computer Science Principles or AP Computer Science Principles, and Algebra
- **Grade Levels:** 11-12 (10th with Teacher Recommendation)
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

***WORK-BASED LEARNING (WBL-YOUTH APPRENTICESHIP)**

Work-Based Learning

Course Description: Work-Based Learning placements represent the pinnacle of the Career-Related Education experience. WBL is an opportunity to be released from school early to go to work and start gaining some real-world work experience – and get school credit! You can have a paid part-time position or an unpaid internship. We try to relate your work experience to your long-term career goals, but you can also get WBL credit if you just have a general part time job. This is a great opportunity to begin building your resume while still in high school. To qualify for a WBL placement, a student must be in grades 11 or 12 and at least 16 years old. Students must have a clean discipline record and attendance record. Students must also have a defined Career Pathway to participate in a Work-Based Learning placement. This is especially important for successful completion of a student's pathway in that their job placement is directly related to the curriculum of the pathway classes they have completed or in which they are concurrently enrolled. There are several opportunities for students to participate in work-based learning. These opportunities include employability skill development, Cooperative Education, Internship, Youth Apprenticeship, and Clinical Experiences.

- **Pre-Requisites:** Defined CTAE Pathway**,** WBL Application, and Coordinator Approval
- **Grade Level:** 11-12
- **Term Offered:** Fall & Spring
- **Units of Credit:** 1. 0 – 2.0

HARRISON HIGH SCHOOL

Fine/Performing Arts Course Catalog

FINE ARTS

Visual Arts: Comprehensive (VA Comp/Intro to Art)

Course Description: This course introduces art history, criticism, and studio production. It emphasizes the ability to understand and use the elements of art and principles of design through a variety of media processes and visual resources.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Visual Arts: Comprehensive II

Course Description: This course explores a variety of art-making techniques and media with an emphasis on developing skills as students examine solutions to visual problems through student artwork and those of other artists. Students will investigate master artwork to increase awareness and to examine the role of art in past and contemporary societies.

- **Pre-requisites:** Visual Arts: Comprehensive (VA Comp/Intro to Art)
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Drawing & Painting I

Course Description: This course introduces drawing and painting techniques and a variety of drawing and painting media. It emphasizes the development of drawing and painting skills and utilizes problem solving skills to achieve desired results.

- **Pre-requisites:** Drawing I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Drawing & Painting II

Course Description: Enhances skills acquired in the level 1 course and provides additional opportunities to apply drawing and painting methods. Emphasized development of drawing and painting skills from observation and utilizes problem solving skills to achieve desired results. Stresses critical analysis of master artworks of different styles and historical periods.

- **Pre-requisites:** VA Comp (Intro to Art) and Drawing & Painting I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Ceramics I

Course Description: This course introduces the characteristics of clay and design using various techniques of construction and surface treatments. Studio processes are emphasized, and students are involved in firing and presenting their clay work.

- **Pre-requisites:** VA Comp (Intro to Art)
- **Grade Levels:** 9 -12
- **Terms Offered:** Fall and/or Spring (Depending on Registration Numbers)
- **Units of Credit:** 1.0

Applied Design

Course Description: This course introduces professional artistic habits with an emphasis on exhibition and curatorial skills. Students learn how to work thematically, exploring topics on an individual basis. Applied Design prepares students for the rigor of AP Art and Design and should be taken in the Fall to prepare for AP in the Spring.

- **Pre-requisites:** Three or more art credits or Teacher Recommendation
- **Grade Levels:** 11 -12
- **Terms Offered:** Fall
  Units of Credit: 1.0

AP Studio Art: 2D Design

Course Description: AP Studio Art: 2D Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills that encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts. Skills include inquiry through investigation, making through practice/experimentation/revision, and communication/reflection.

- **Pre-requisites:** Applied Design or Teacher Recommendation
- **Grade Levels:** 11 -12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

PERFORMING ARTS

Orchestra

Freshman Philharmonic (Beginning/Int. Orchestra Fall/Intermediate Orchestra Spring)

Course Description: The Freshman Philharmonic is an Intermediate Level string instrument performance class for freshmen string instrumentalists with approximately three years of training in performance fundamentals. The orchestra rehearses during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing intermediate literature. **Fall Semester Only.**

- **Pre-requisites:** Middle School Orchestra or Equivalent Prior Orchestral Experience
- **Grade Levels:** 9
- **Terms Offered:** Fall
- **Units of Credit:** 1.0

Classic Orchestra (Intermediate Orchestra)

Course Description: The Classic Orchestra is an Intermediate Level string instrument performance class for string instrumentalists who have a minimum of four years of training (or equivalent) in performance fundamentals. The orchestra rehearses all year during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Each orchestra course is designed to cater to the individual needs of the students based on their current skill level. Students will continue to deepen their understanding of individual and ensemble performance skills performing intermediate literature.

- **Pre-requisites:** Prior Orchestral Experience or Teacher Recommendation
- **Grade Levels:** 10-12 (Fall), 9-12 (Spring)
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Philharmonia Orchestra (Advanced Orchestra)

Course Description: The Philharmonia Orchestra is an Advanced Level string instrument performance class for string instrumentalists who have advanced training in performance fundamentals. The orchestras rehearse all year during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing advanced literature. Each orchestra course is designed to cater to the individual needs of the students based on their current skill level. Auditions for placement into this ensemble are held prior to registration for each term.

- **Pre-requisites:** Prior Orchestral Experience and Audition Required
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

Chamber Orchestra (Mastery Orchestra)

Course Description: The Chamber Orchestra is a Mastery Level string instrument performance class for string instrumentalists who have extensive training in performance fundamentals. The orchestras rehearse all year during the school day. Advanced music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing advanced literature. Each orchestra course is designed to cater to the individual needs of the students based on their current skill level. Auditions for placement into this ensemble are held prior to registration for each term. Additionally, this ensemble performs with winds and percussion as the Harrison Symphony Orchestra.

- **Pre-requisites:** Prior Orchestral Experience and Audition Required
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Band

Advanced Band (Wind & Ensemble), Intermediate Band (Symphonic), Beginning Band (Concert)

Course Description: The foundation of the music education experience at Harrison is established in the concert band courses. These include Wind Ensemble (Advanced Band), Symphonic Band (Intermediate Band) and Concert Band (Beginning Band). These bands rehearse all year during the school day. It is in this setting that music principles and fundamentals are taught, practiced, and developed. Therefore, participation in all other aspects of the band program is contingent upon enrollment in one of the concert bands classes. Each course is designed to cater to the individual needs of the students and is therefore ability-based. Auditions for placement into these ensembles are held prior to registration for each term.

- **Pre-requisites:** Band course through middle school and Audition Required
- **Grade Levels:** 9 -12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Instrumental Ensemble Techniques (Percussion Class)

Course Description: The foundation of the music education experience for percussionists at Harrison is established in the Percussion Class. This class meets in the Fall Semester during the school day. It is in this setting that music principles and fundamentals for percussion are taught, practiced, and developed. Therefore, participation in all other aspects of the percussion program is contingent upon enrollment in this class.

- Pre-requisites: Band course through middle school or Teacher Recommendation
- Grade Levels: 9 -12
- Terms Offered: Fall
- Units of Credit: 1.0

Theatre

Theatre Fundamentals

Course Description: Open to all students, regardless of experience level, this semester long course serves as an introduction to the art and craft of Theatre. Students will explore theatre history, basic acting and performance skills, actor preparation techniques, playwriting, design and technical theatre, dramaturgy, and theatre etiquette. Actors and Technicians will combine these skills in a culminating Devised Theatre performance.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Acting I

Course Description: Acting I introduces the acting process and the role of the actor in various styles/methods with a focus on scene study. Stresses developing imagination, observation, concentration powers, and self-discipline. Includes developing physical and vocal control while transmitting emotions, convictions, and ideas; enhances self-confidence and self-awareness. Theatre is used as a means to encourage cooperative learning, teamwork, organization, and leadership skills. The class allows all students the opportunity to perform on a regular basis.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall
- **Units of Credit:** 1.0

Advanced Drama

Course Description: This advanced course is designed to further develop students in the art and craft of theatre. Students will explore the role that acting, directing, dramaturgy, and technical elements have in the creation of a theatre production. Advanced techniques of movement, vocal support, character development, and performance will be emphasized, as well as design, tech, and Stage Management. Students will have several opportunities to perform both in class and for the public. After-school rehearsals will be required as part of this course. A detailed rehearsal schedule will be made available at the beginning of class.

- **Pre-requisites:** Fundamentals of Theatre
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

TA Musical Theatre

Course Description: This course is designed to prepare for the end of year musical and is by audition only. After-school rehearsals will be required as part of this course. Please see Mrs. Lindsay for more information.

- **Pre-requisites:** Audition Only
- **Grade levels:** 9-12
- **Terms offered:** Spring
- **Units of Credit:** 1.0

Chorus

Beginning Mixed Chorus

Course Description: This is the foundational level choral ensemble at Harrison High School. It is designed to teach beginning level musical principals including basic to intermediate music reading, part independence, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Intermediate Women's Chorus

Course Description: This is the intermediate level choral ensemble for soprano and alto voices at Harrison High School. It is designed to review beginning level musical principals and expound upon prior knowledge. This course also includes heavy emphasis on individual vocal tone and technique building. Other topics include intermediate music reading, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** Audition Only
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Advanced Mixed Chorus

Course Description: This is the advanced level choral ensemble at Harrison High School. It is designed to review intermediate level musical principals and expound upon prior knowledge. Repertoire performed in this ensemble starts at the advanced high school level and continues into collegiate repertoire. Other topics include advanced music reading, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** Auditions Only
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Music Theory

Course Description: In this course you will learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. Skills taught include identifying features of pitch, interval, scales and keys, chords, meter, rhythm, and other musical concepts in performed and notated music; notating music that you hear; singing a notated melody on sight; and completing music based on cues, following common-practice style.

- **Pre-requisites**: Inter., Adv., or Mastery Band, Orchestra, or Chorus or Teacher Recommendation
- **Grade levels:** 11-12
- **Terms offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

HARRISON HIGH SCHOOL

Health/P.E.
Course Catalog

HEALTH & P.E

Health/BPE

Course Description: This life skills prevention program focuses on how to avoid the high-risk behaviors of society. The students learn how to reach higher virtues and morals, and how to make good decisions and use refusal skills. The curriculum teaches the five components of being well. The ADAP Program teaches students to obtain their driver's license, CPR certification is offered, an abstinence-based program on human sexuality issues is taught, and the intensity of the reality of life is well thought out by use of critical thinking techniques. This course also helps students understand the significance of lifestyle choices on health and fitness levels. Students will learn physical fitness concepts in a classroom setting and will apply them while actively participating in a total fitness program. The fitness program will consist of a cardio-respiratory and strength circuit program using new state-of the art equipment. Heart rate monitors will also be used to monitor students' cardiorespiratory. This course is a graduation requirement.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Introductory Team Sports

Course Description: This course introduces fundamental skills, strategies and rules associated with team sports such as basketball, volleyball, soccer, softball, floor hockey, flag football, team handball, and ultimate Frisbee.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Intro Recreational Games

Course Description: Integrates a variety of strategies, tactics, concepts, and skills during recreational games activities. Participation in activities designed to improve skills for personal challenges, enjoyment, and expression. Introduces recreational games for lifetime leisure activities which may include table tennis, shuffleboard, frisbee, deck tennis, spike ball, bowling, Bocce ball, Cornhole, horseshoes, darts and croquet. Emphasizes the rules of each game and the skills necessary to play.

- **Pre-requisites:** None
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Intro Outdoor Education/Intro Lifetime Sports

Course Description: Students spend the first nine weeks studying outdoor sports. Outdoor education promotes an appreciation of the outdoors; provides physical activities and adventures in an outdoor laboratory. Covers camping, fishing, hiking, orienteering, backpacking, repelling, outdoor cooking, boating safety, hunter safety, riflery and archery. Students will spend the second nine weeks studying lifetime sports. Lifetime sports introduces fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall and/or Spring (Depending on Registration Numbers)
- **Units of Credit:** 1.0

Physical Conditioning

Course Description: This class is designed to train the student in foundation movement principles. The focus is on training for strength and power in the weight room. A variety of warm-ups are used to prepare for training. Included is a focus on training all phases of movement: acceleration, linear, speed, and multidirectional. This is a class for the highly motivated student interested in serious and specific training.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Physical Conditioning for Athletes

Course Description: Designed for the student who participates in one or more of the following sports at Harrison: Lacrosse, Soccer, Softball, Tennis, Track, and Volleyball. This course is designed to personalize training while building on the principles for success from physical conditioning. The focus is on training for strength and power in the weight room with an emphasis on complex and power training. A variety of warmups are used to prepare for training with a focus on all phases of movement: acceleration, linear, speed, and multi-directional. All of the training tools (bungies, parachutes and harnesses) will be used to advance the learning curve. This is a class for the highly motivated student interested in serious and specific training.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Weight Training

Course Description: Designed for the student with limited weight training experience, this course emphasizes acquiring basic knowledge in strength development training and proper lifting techniques. The student should gain proficiency in the basic fundamentals of strength and conditioning.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Weight Training for Athletes

Course Description: Designed for the student who participates in one or more of the following sports at Harrison: Basketball, Baseball, Golf, Swimming, and Wrestling. Advanced concepts and techniques will be introduced. Complex Olympic and power lifts will be presented. Students will be required to execute with precision these advanced techniques and will be filmed and evaluated. Highly motivated student/athletes are encouraged to enroll.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

9th & JV Football Weight Training

Course Description: Designed for the student athlete with limited weight training experience, this course emphasizes acquiring basic knowledge in strength development training and proper lifting techniques. The student should gain proficiency in the basic fundamentals of strength and conditioning.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Varsity Football Weight Training

Course Description: Designed for the student athlete with prior weight training experience. Advanced concepts and techniques will be introduced. Complex Olympic and power lifts will be presented. Students will be required to execute with precision these advanced techniques and will be filmed and evaluated.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

HARRISON HIGH SCHOOL

World Language
Course Catalog

WORLD LANGUAGE

French I

Course Description: An introduction to the language and culture of France and other French-speaking countries, the course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing with an emphasis on oral proficiency.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

French II

Course Description: Designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency, this class will offer the student the ability to acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the French-speaking world.

- **Pre-requisites:** French I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

French II (Honors)

Course Description: In French II Honors the student begins a possible four-year sequence in which basic expressions, vocabulary, and grammar are introduced. The honors level student is expected to have excellent study and communication skills and be able to independently complete their assignments. The student is encouraged to express him/herself on topics such as greetings, descriptions, weather, likes and dislikes. Communication among students is an integral part of each lesson. Material will be presented at a faster pace, and higher-level thinking skills will be expected. More complex ideas and topics will be explored. Students who successfully complete French II Honors will be prepared to enroll in French III Honors.

- **Pre-requisites:** French I and Teacher Recommendations
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Points:** 0.5

French III (Honors)

Course Description: Designed to further develop the student's communication skills and cultural appreciation of the French-speaking world, this course will offer the student the ability to participate in a variety of oral and written activities.

- **Pre-requisites:** French II
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Points:** 0.5

French IV (Honors)
Course Description: This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography, and history of the French-speaking world.

- **Pre-requisites:** French III Honors
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

French V (Honors)
Course Description: This course focuses on the development of fluent communication using authentic materials from French-speaking countries such as newspapers, magazines, and web sites.

- **Pre-requisites:** French IV Honors
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

AP French Language
Course Description: This course is designed to prepare the student to take the Advanced Placement language test by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing.

- **Pre-requisites:** French V Honors and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit**: 1.0
- **Quality Points:** 1.0

Spanish I
Course Description: This class offers an introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing with an emphasis on oral proficiency.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish II
Course Description: This course is designed to further develop listening, speaking, reading, and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the Spanish-speaking world.

- **Pre-requisites:** Spanish I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish II (Honors)

Course Description: In Spanish II Honors the student begins a possible four-year sequence in which basic expressions, vocabulary, and grammar are introduced. The honors level student is expected to have excellent study and communication skills and be able to independently complete their assignments. The student is encouraged to express him/herself on topics such as greetings, descriptions, weather, likes, and dislikes. Communication among students is an integral part of each lesson. The students utilize the present, past and future tenses in reading, writing, listening, and speaking assignments. Material is presented in a cultural context, enabling the student to understand differences and similarities among societies. Material will be presented at a faster pace, and higher-level thinking skills will be expected. More complex ideas and topics will be explored. Students who successfully complete Spanish II Honors will be prepared to enroll in Spanish III Honors.

- **Pre-requisites:** Spanish I and Teacher Recommendation
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Points:** 0.5

Spanish III

Course Description: Building on the previous courses of Spanish I and II, Spanish III will help further student knowledge of the Spanish language while incorporating real-world scenarios to help students gain more confidence with their language skills in the future workforce. Such activities may include learning a variety of interview skills all the way to how to build a resume.

- **Pre-requisites:** Spanish II
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish III (Honors)

Course Description: Honors Spanish III focuses on the continued development of communicative competence in the target language and understanding of the culture(s) of the people who speak the language. It assumes that the students have completed Honors Spanish II or are at a Novice-Mid to Novice-High level of proficiency. Students use basic language structures with accuracy and recombine learned material to express their thoughts. They are exposed to more complex features of the language, moving from concrete to some abstract concepts.

- **Pre-requisites:** Honors Spanish II or Spanish II with Teacher Recommendation
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Points:** 0.5

Spanish IV (Honors)

Course Description: This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography, and history of the Spanish-speaking world.

- **Pre-requisites:** Spanish III Honors and Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

Spanish V (Honors)

Course Description: This course focuses on the development of fluent communication using authentic materials from Spanish-speaking countries such as newspapers, magazines, and web sites.

- **Pre-requisites:** Spanish IV Honors and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

AP Spanish Language & Culture

Course Description: This course emphasizes communication by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication.

- **Pre-requisites:** Spanish V Honors and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

Spanish VII (Honors)

Course Description: This course uses a multimedia approach to introduce students to short stories, novels, films, music, and true events pertaining to Spanish-speaking countries. Students reflect on the many voices and cultures present in the required texts and make cultural comparisons.

- **Pre-requisites:** AP Spanish Language & Culture and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

HARRISON HIGH SCHOOL

9th Grade Electives

***If a course has a pre-requisite, students can only register to take it spring semester and they must register to take the pre-requisite course fall semester. If they do not register for these in the proper order, the class(es) will be dropped from their registration selections.**

When registering, spring courses show with a B behind their name and fall courses show with a Y behind their name. The course numbers used for fall and spring courses are different. Please be sure and use the course numbers on the Elective Registration Worksheet.

SOCIAL STUDIES

Current Issues

Course Description: The purpose of Current Issues is to understand, analyze, and evaluate current issues affecting our world today. The students will be able to understand and detect bias in the media, understand and evaluate the different types of news, and gather, research and evaluate data. In addition, students will develop information processing skills by reading and interpreting maps and graphs. They will also develop public speaking skills and identify the role of our community in the world.

- **Prerequisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Sports in United States Society

Course Description: The Sports in United States Society course examines the vital sociological role of sport in the making of United States society and culture, and vice-versa. The course analyzes the reasons for and popularity of youth, high school, collegiate, and professional sports and the interrelationship between sports and other social institutions, such as the economy, education, media, and politics. Inequalities and deviance in society that are reflected in sports are discussed, along with social progress championed through sports. Current issues and controversies in sports that are a microcosm of society are also presented.

- **Prerequisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

WORLD LANGUAGE

French I

Course Description: An introduction to the language and culture of France and other French-speaking countries, the course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing with an emphasis on oral proficiency.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0

French II

Course Description: Designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency, this class will offer the student the ability to acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the French-speaking world.

- **Pre-requisites:** French I
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

Spanish I

Course Description: This class offers an introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing with an emphasis on oral proficiency.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish II

Course Description: This course is designed to further develop listening, speaking, reading, and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the Spanish-speaking world.

- **Pre-requisites:** Spanish I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

CTAE

AUDIO-VIDEO TECHNOLOGY & FILM PATHWAY

1. Audio-Video Technology & Film – I

Course Description: Students taking this course will learn the basics of video production and broadcasting. They will learn and demonstrate their video production skills on a variety of recording devices such as smartphones and entry level consumer video cameras. They will learn and demonstrate pre-production skills to plan their videos and post-production skills using industry standard editing software. They will then use these skills to produce a 'live-to-tape' broadcast in a state-of-the-art studio and control room. Students will also develop key "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. SkillsUSA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses. The pre-requisite for this course is advisor approval.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Audio-Video Technology & Film – II

Course Description: Students taking this course will expand upon the knowledge and skills gained in AVTF-I. They will enhance their video skills through more in-depth use of cinematic lighting techniques and audio recording and editing. Students will be introduced to motion and production graphics and special effects using Adobe Production Premium After Effects and learn workflows that will enable them to utilize these skills in their videos. Students will explore multi-track audio editing with Adobe Audition. They will continue to work on and develop their "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film II will be utilized in subsequent courses. The pre-requisite for this course is AVTF-I. Both AVTF-I and AVTF-II are required courses for the AVTF I and AVTF II Pathways.

- **Pre-requisites:** AVTF-1
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

BUSINESS AND TECHNOLOGY PATHWAY

1. Introduction to Business and Technology

Course Description: Introduction to Business & Technology is the foundational course for Business and Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society.

- **Pre-Requisite:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Business and Technology

Course Description: How is technology used to solve business problems and communicate solutions? Business and Technology is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Mastery use of spreadsheets and the ability to apply leadership skills to make informed business decisions will be a highlight of this course for students. Publishing industry appropriate documents to model effective communication and leadership will be demonstrated through project-based learning. Students will use spreadsheet and database software to manage data while analyzing, organizing and sharing data through visually appealing presentation. Various forms of technologies will be used to expose students to resources, software, and applications of business practices. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization,
Future Business Leaders of America (FBLA), are integral components of the employability skills standard for this course.

- **Pre-Requisite:** Introduction to Business and Technology
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

TEACHING AS A PROFESSION PATHWAY

1. Examining the Teaching Profession

Course Description: The Examining the Teaching Profession is the foundational course under the Teaching as a Profession pathway and prepares students for future positions in the field of education. Teaching as a Profession students study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards.

- **Pre-Requisite:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

GRAPHIC AND DESIGN PATHWAY

1. Introduction to Graphics and Design

Course Description: As the first course in the Graphics Communication and Graphics Design Pathways, this course is the Introduction to Graphics and Design and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications.

- **Pre-Requisite:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

2. Graphic Design and Production

Course Description: As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. The prerequisite for this course is Introduction to Graphics and Design.

- **Pre-Requisite:** Introduction to Graphic and Design
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Unit of Credit:** 1.0

THERAPUTIC SERVICES/SPORTS MEDICINE PATHWAY

1. Introduction to Healthcare Science

Course Description: Introduction to Healthcare Science is a foundations course for the Healthcare Science Career Pathways. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization - Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is a prerequisite for all Healthcare Science Education courses.

- **Pre-Requisite:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

2. Essentials of Healthcare

Course Description: Course Description: Essentials of Healthcare is a foundations course for the Therapeutic Medicine-Physical Medicine Career Pathways. It is appropriate for students wishing to pursue a career in the Sports Medicine/Rehabilitative Services Industry. The course focuses on the major systems of the body. Mastery of these systems and course standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is a pre-requisite for the Sports Medicine course.

- **Pre-Requisite:** Introduction to Healthcare Science
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Unit of Credit:** 1.0

SPORTS & ENTERTAINMENT MARKETING PATHWAY

1. Marketing Principles

Course Description: Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Intro to Sports & Entertainment Marketing

Course Description: This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact it has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skills, Selling, Marketing-Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization. To increase the number of application experiences, students should participate in work-based learning activities and the student organization, (DECA, An Association of Marketing Students). It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** Marketing Principles
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

MARKETING AND MANAGEMENT PATHWAY

1. Marketing Principles

Course Description: Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Marketing & Entrepreneurship: Building a Business

Course Description: Marketing and Entrepreneurship is the second course in the Marketing and Management Career Pathway. Marketing and Entrepreneurship begins an in-depth and detailed study of marketing while also focusing on management with specific emphasis on small business ownership. This course builds on the theories learned in Marketing Principles by providing practical application scenarios which test these theories. In addition, Marketing and Entrepreneurship focuses on the role of the supervisor and examines the qualities needed to be successful**.**

- **Pre-requisites:** Marketing Principles
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

COMPUTER SCIENCE PRINCIPLES/PROGRAMMNG PATHWAYS

1. Intro to Software Technology (Computer Science)

Course Description: Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

FINE ARTS

Visual Arts: Comprehensive (VA Comp/Intro to Art)

Course Description: This course introduces art history, criticism and studio production. It emphasizes the ability to understand and use the elements of art and principles of design through a variety of media processes and visual resources.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Visual Arts: Comprehensive II

Course Description: This course explores a variety of art-making techniques and media with an emphasis on developing skills as students examine solutions to visual problems through student artwork and those of other artists. Students will investigate master artwork to increase awareness and to examine the role of art in past and contemporary societies.

- **Pre-requisites:** Visual Arts: Comprehensive (VA Comp/Intro to Art)
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Ceramics I

Course Description: This course introduces the characteristics of clay and design using various techniques of construction and surface treatments. Studio processes are emphasized, and students are involved in firing and presenting their clay work.

- **Pre-requisites:** Visual Arts: Comprehensive (VA Comp/Intro to Art)
- **Grade Levels:** 9 -12
- **Terms Offered:** Fall/Spring (depending on registration numbers)
- **Units of Credit:** 1.0

Theatre Fundamentals

Course Description: Open to all students, regardless of experience level, this semester long course serves as an introduction to the art and craft of Theatre. Students will explore theatre history, basic acting and performance skills, actor preparation techniques, playwriting, design and technical theatre, dramaturgy, and theatre etiquette. Actors and Technicians will combine these skills in a culminating Devised Theatre performance.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Acting I

Course Description: Acting I introduces the acting process and the role of the actor in various styles/methods with a focus on scene study. Stresses developing imagination, observation, concentration powers, and self-discipline. Includes developing physical and vocal control while transmitting emotions, convictions, and ideas; enhances self-confidence and self-awareness. Theatre is used as a means to encourage cooperative learning, teamwork, organization, and leadership skills. The class allows all students the opportunity to perform on a regular basis.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall
- **Units of Credit:** 1.0

Advanced Drama

Course Description: This advanced course is designed to further develop students in the art and craft of theatre. Students will explore the role that acting, directing, dramaturgy, and technical elements have in the creation of a theatre production. Advanced techniques of movement, vocal support, character development, and performance will be emphasized, as well as design, tech, and Stage Management. Students will have several opportunities to perform both in class and for the public. After-school rehearsals will be required as part of this course. A detailed rehearsal schedule will be made available at the beginning of class.

- **Pre-requisites:** Fundamentals of Theatre
- **Grade levels:** 9-12
- **Terms offered:** Spring
- **Units of Credit:** 1.0

Freshman Philharmonic (Beginning Orchestra Fall/Intermediate Orchestra Spring)

Course Description: The Freshman Philharmonic is an Intermediate Level string instrument performance class for freshmen string instrumentalists with approximately three years of training in performance fundamentals. The orchestra rehearses during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing intermediate literature. Fall Semester Only.

- **Pre-requisites**: Middle School Orchestra or Equivalent Prior Orchestral Experience
- **Grade Levels**: 9
- **Terms Offered**: Beg. Fall & Int. Spring
- **Units of Credit**: 1.0

Beginning Band (Concert Band)

Course Description: The foundation of the music education experience at Harrison is established in the concert band courses. These include Wind Ensemble (Advanced Band), Symphonic Band (Intermediate Band) and Concert Band (Beginning Band). These bands rehearse all year during the school day. It is in this setting that music principles and fundamentals are taught, practiced, and developed. Therefore, participation in all other aspects of the band program is contingent upon enrollment in one of the concert bands classes. Each course is designed to cater to the individual needs of the students and is therefore ability-based. Auditions for placement into these ensembles are held prior to registration for each term.

- **Pre-requisites**: Band course through middle school
- **Grade Levels**: 9 -12
- **Terms Offered**: Fall and Spring
- **Units of Credit**: 1.0

Instrumental Ensemble Techniques (Percussion Class)

Course Description: The foundation of the music education experience for percussionists at Harrison is established in the Percussion Class. This class meets in the Fall Semester during the school day. It is in this setting that music principles and fundamentals for percussion are taught, practiced, and developed. Therefore, participation in all other aspects of the percussion program is contingent upon enrollment in this class.

- **Pre-requisites**: Band course through middle school
- **Grade Levels**: 9 -12
- **Terms Offered**: Fall
- **Units of Credit**: 1.0

Beginning Mixed Chorus

Course Description: This is the foundational level choral ensemble at Harrison High School. It is designed to teach beginning level musical principals including basic to intermediate music reading, part independence, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

HEALTH & PE

Health/BPE

Course Description: This life skills prevention program focuses on how to avoid the high-risk behaviors of society. The students learn how to reach higher virtues and morals, and how to make good decisions and use refusal skills. The curriculum teaches the five components of being well. The ADAP Program teaches students to obtain their driver's license, CPR certification is offered, an abstinence-based program on human sexuality issues is taught, and the intensity of the reality of life is well thought out by use of critical thinking techniques. This course also helps students understand the significance of lifestyle choices on health and fitness levels. Students will learn physical fitness concepts in a classroom setting and will apply them while actively participating in a total fitness program. The fitness program will consist of a cardio-respiratory and strength circuit program using new state-of the art equipment. Heart rate monitors will also be used to monitor students' cardiorespiratory. This course is a graduation requirement.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Introductory Team Sports

Course Description: This course introduces fundamental skills, strategies and rules associated with team sports such as basketball, volleyball, soccer, softball, floor hockey, flag football, team handball, and ultimate Frisbee.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Physical Conditioning

Course Description: This class is designed to train the student in foundation movement principles. The focus is on training for strength and power in the weight room. A variety of warm-ups are used to prepare for training. Included is a focus on training all phases of movement: acceleration, linear, speed, and multidirectional. This is a class for the highly motivated student interested in serious and specific training.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Weight Training

Course Description: Designed for the student with limited weight training experience, this course emphasizes acquiring basic knowledge in strength development training and proper lifting techniques. The student should gain proficiency in the basic fundamentals of strength and conditioning.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Intro Recreational Games

Course Description: Integrates a variety of strategies, tactics, concepts, and skills during recreational games activities. Participation in activities designed to improve skills for personal challenges, enjoyment, and expression. Introduces recreational games for lifetime leisure activities which may include table tennis, shuffleboard, frisbee, deck tennis, spike ball, bowling, Bocce ball, Cornhole, horseshoes, darts and croquet. Emphasizes the rules of each game and the skills necessary to play.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Intro Outdoor Education/Intro Lifetime Sports

Course Description: Students spend the first nine weeks studying outdoor sports. Outdoor education promotes an appreciation of the outdoors; provides physical activities and adventures in an outdoor laboratory. Covers camping, fishing, hiking, orienteering, backpacking, repelling, outdoor cooking, boating safety, hunter safety, riflery and archery. Students will spend the second nine weeks studying lifetime sports. Lifetime sports introduces fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

JROTC

JROTC Navy Naval Science I Cadet Field Manual

Course Description: The Military Science (JROTC) program prepares students for leadership roles while making them aware of their rights, responsibilities and privileges as Americans. The mission of JROTC is to motivate young people to be better citizens. The program promotes graduation from high school, and provides instructional opportunities which benefit the student, community and nation. Wearing the military uniform once a week is a requirement to participate in JROTC. While in uniform, cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards. Cadets in Navy Naval Science I study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objective of JROTC.

- **Pre-requisites**: None
- **Grade Levels**: 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

HARRISON HIGH SCHOOL

Elective 10th – 12th Grade Course Catalog

When registering, spring courses show with a B behind their name and fall courses show with a Y behind their name. The course numbers used for fall and spring courses are different. Please be sure and use the course numbers on the Elective Registration Worksheet.

ENGLISH

Mythology

Course Description: This course explores mythology through literature and film. Focusing on a study of modern mythology, the student develops an understanding of chronological context and relevance of period structures in literature within mythologies of different time periods around the world. This is an English elective course.

- **Prerequisite:** None
- **Grade levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

H Dramatic Writing I/H Theatre Arts & Literature – (Elective and/or can be taken in the place of Literature and Composition IV)

Course Description: How do your favorite movies and television shows make it to the screen? It all starts with the writers. In this course students read, view, and analyze a variety of film and television media from a writer's point of view. Students apply these skills to create and develop dramatic writing for theatrical media with special emphasis on film and television. The Honors course delves into more sophisticated television and film structures and encourages students to write more sophisticated scripts.

- **Prerequisite:** Literature & Composition III
- **Grade levels:** 12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 2.0 (1 H Dramatic Writing I Credit/1 H Theater Arts & Literature Credit)
- **Quality Point:** 0.5 H Dramatic Writing/0.5 H Theater Arts & Literature

Yearbook

Course Description: This course helps produce The Legacy, the Harrison High School yearbook. In this course, students will gain skills in the following areas: page design, publishing techniques, copy writing, editing, photography, record keeping, time management, teamwork, marketing, and leadership skills. Students are tasked with producing a timeless, creative, and innovative publication which will record our school's academics, athletics, and the arts as well as other school and community events.

- **Prerequisite:** Application Only – Application deadline is February 20th
- **Grade levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

MATH – All Math courses higher than Pre-Calculus, other than AP Statistics, are technically academic electives, but students are placed in these courses by their previous teacher as they complete their core course recommendations. If you are interested in one of these courses, please discuss with your teacher.

Honors Calculus (11-12)

Course Description: This course includes many of the topics taught in AP Calculus but does not provide the same depth of study associated with AP Calculus. The non-AP Calculus course is designed for students who do not wish to receive college credit through the Advance Placement Exam.

- **Pre-requisites:** Accelerated Pre-Calculus or Pre-Calculus
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Credit:** 1.0
- **Quality Point:** 0.5

AP Calculus AB

Course Description: This course focuses on single-variable calculus that includes techniques and applications of the derivative, techniques, and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course.

- **Pre-requisites:** Accelerated Pre-Calculus and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Calculus BC

Course Description: This course focuses on single-variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course.

- **Pre-requisites:** AP Calculus AB and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Statistics

Course Description: AP Statistics is the equivalent of a one-semester college survey course in statistics. The structure, pace, and depth of the material will reflect the general rigor of the university level. Statistics is like no other branch of mathematics you only need a basic familiarity with some concepts from advanced algebra to do the mathematical work. What makes statistics difficult is not in the "math," but in the application of what we learn. Because of the application-oriented nature of statistics, we will often use an activity-based approach to the course.

- **Pre-requisites:** Successful completion of Pre-Calculus or Accelerated Pre-Calculus
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

Multivariable Calculus

Course Description: Multivariable Calculus is a fourth-year mathematics course option for students who have completed AP Calculus BC. It includes three-dimensional coordinate geometry; matrices and determinants; eigenvalues and eigenvectors of matrices; limits and continuity of functions with two independent variables; partial differentiation; multiple integration; the gradient; the divergence; the curl; Theorems of Green, Stokes, and Gauss; line integrals; integrals independent of path; and linear first-order differential equations.

- **Pre-requisites:** AP Calculus BC and Teacher Recommendation
- **Grade Level:** 12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

Differential Equations

Course Description: Differential Equations is an option for students who wish to enroll in a mathematics course beyond Multivariable Calculus. The course provides an introduction to ordinary differential equations. Topics include the solution of first, second, and higher order differential equations, systems of differential equations, series solutions and Laplace transforms. There will be a strong focus on the presentation of mathematical ideas through both written and oral communication. The goal is to give students the skills and techniques they will need as they study advanced mathematics at the college level.

- **Pre-requisites:** Multivariable Calculus and Teacher Recommendation
- **Grade Level:** 12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

SOCIAL STUDIES

Psychology

Course Description: This elective is the study of principles of psychology, developmental psychology, heredity and environmental aspects of psychology, learning theory, personality, intelligence, social disorders, and research methods used in the study of psychology. The goal is for the student to apply the principles and knowledge taught in the course to everyday situations and gain a better understanding of human behavior. The class will include lecture, film, discussion, projects, and labs. Some outside reading is expected.

- **Pre-requisites:** One unit in Social Studies
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Sociology

Course Description: This elective course offers a study of human society and social behavior. The purpose of the course is to provide students with a basic understanding of how humanity is shaped largely by the groups to which people belong and by the social interaction that take place with those groups. The curriculum of the course is very relevant to our day to day lives and interactions with our family, friends, and classmates. Throughout the semester, contemporary social issues will be discussed in a large group and small group setting. Students will study the causes and possible solutions of these social issues. Students will engage in a variety of different activities such as discussions, experiments, case studies, observations, and class projects. An example of some the topics that will be covered in this course are research methods, theories, origins of Sociology, norms in society, influence of environment on personality development, social inequalities, and social institutions.

- **Pre-requisites:** None
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Current Issues

Course Description: The purpose of Current Issues is to understand, analyze, and evaluate current issues affecting our world today. The students will be able to understand and detect bias in the media, understand and evaluate the different types of news, and gather, research and evaluate data. In addition, students will develop information processing skills by reading and interpreting maps and graphs. They will also develop public speaking skills and identify the role of our community in the world.

- **Prerequisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Sports in United States Society

Course Description: The Sports in United States Society course examines the vital sociological role of sport in the making of United States society and culture, and vice-versa. The course analyzes the reasons for and popularity of youth, high school, collegiate, and professional sports and the interrelationship between sports and other social institutions, such as the economy, education, media, and politics. Inequalities and deviance in society that are reflected in sports are discussed, along with social progress championed through sports. Current issues and controversies in sports that are a microcosm of society are also presented.

- **Prerequisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Psychology

Course Description: The purpose of the elective Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will learn about topics such as social disorders and therapy, learning theory, personality development, and social psychology. They also learn about the methods psychologists use in their science and practice. The aim of the AP college introductory course is to provide students with a learning experience equivalent to that obtained in most college introductory psychology courses. The class will include lecture, film, discussion, outside reading and labs. College credit can be earned by achieving an acceptable score determined by the college you choose to attend. Students are expected to sign up for and take the Advanced Placement examination in psychology.

- **Pre-requisites:** AP Human Geography and/or Honors World History and Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Comparative Government and Politics

Course Description: AP Comparative Government and Politics is an elective course offered spring semester for 11th and 12th graders. This course is intended for social studies students with an interest in government, political science, and world affairs. According to the College Board, "This course introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues." Again, this course is an elective and does not satisfy the government requirement for graduation.

- **Prerequisites:** AP Human Geography or Honors World History or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring (depending on registration numbers)
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Human Geography

Course Description: AP Human Geography focuses on the distribution, processes, and effects of human populations on the planet. Case studies from around the globe are compared to the situation in both the United States and locally in our local municipalities and state.

- **Pre-requisites:** Successful completion of Honors World History or Teacher Recommendation
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP World History

Course Description: In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

- **Pre-requisites:** Honors World History or AP Human Geography or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

AP European History

Course Description: This course provides students with knowledge of the basic chronology of major events and trends in Europe from 1450 to the present, and is designed to help students develop an understanding of the principal themes in modern European history. The study of European History since 1450 introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which we live. Additional Information: The goals of AP European History are to develop 1. An understanding of some of the principal themes in modern European history; 2. An ability to analyze historical evidence and historical interpretation; and 3. An ability to express historical understanding in writing.

- **Pre-requisites:** Honors World History or Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP African American Studies

Course Description: AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American Studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills.

- **Pre-requisites:** World History/H World History or the Equivalent or Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring (depending on registration numbers)
- **Units of Credit:** 1.0
- **Quality Point**: 1.0

SCIENCE – Many Science electives also serve as core courses; therefore, your prior teacher may have placed one on your schedule as a core course.

Astronomy

Course Description: With a study of the matter and energy beyond the earth's atmosphere and the relationship between the earth and that matter and energy, topics in this course include the structure and origin of planets and planetesimals, stars, galaxies and galaxy clusters, dark matter, the edge of the universe, and the energy of the universe.

- **Pre-requisites:** Successful completion of Biology and Chemistry or Environmental Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Environmental Science

Course Description: Designed as an integrated and global approach to science and technology, this course focuses on the links between living things, their surroundings, and the total environment of the planet. The scientific principles and related technology will assist the student in understanding the relationships between local, national, and global environmental issues. The intent of the course is to help individuals become informed, get involved, and care for themselves and the environment.

- **Pre-requisites:** One credit in Biology or Teacher Recommendation
- **Grade Levels:** 9-10
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Environmental Science

Course Description: With a scientific systematic examination of the interrelationships of the natural world, the student will be able to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

- **Pre-requisites:** One unit of Biology and one unit of Chemistry, both with a recommended grade of 90 or higher in either classes; or successful completion of Honors Biology and Honors Chemistry
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

Honors Forensic Science

Course Description: Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence. Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.

- **Pre-requisites:** Successful completion of 1 Honors Science classes OR successful completion of 2 on-level Science classes.
- **Grade Levels:** 10-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Honors Human Anatomy/Physiology

Course Description: Designed to give the student an overview of the structures and functions of the major systems of the human body, this honors level course is an accelerated course, designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.

- **Pre-requisites:** Successful completion of H Biology and H Chemistry or Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Zoology

Course Description: With a systematic study of the animal kingdom and their basic identification characteristics, emphasis in this course will be placed on comparative anatomy, as well as on the methods that each phyla uses to accomplish the basic life processes.

- **Pre-requisites:** Successful completion of Biology and Chemistry or Environmental Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Oceanography

Course Description: Oceanography is designed to emphasize the interconnectedness of multiple science disciplines. Students will recognize that the ocean is a dynamic system reflecting interactions among organisms, ecosystems, chemical cycles, and physical and geological processes, on land, in air, and in the oceans. Students will investigate oceanography concepts through experience in laboratories and fieldwork using the processes of inquiry.

- **Pre-requisites:** Successful completion of Biology and Chemistry or Environmental Science
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Biology

Course Description: Designed to be the equivalent of a college introductory biology course usually taken by biology or other science majors during their first year. the AP course in biology differs significantly from the usual first high school course in biology with respect to the textbook used, the range and depth of topics covered, laboratory work done by students, and the time and effort required of students. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Some college freshmen are permitted to undertake upper-level courses in biology or register for courses for which biology is a prerequisite after achieving an adequate score on the optional Advanced Placement Examination.

- **Pre-requisites:** One unit of Biology and one unit of Chemistry (both with a recommended grade of 90 or higher) OR Honors Biology and Honors Chemistry (80 or higher)
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Chemistry

Course Description: Designed to be the equivalent of a college introductory chemistry course usually taken by students who have an interest in biological sciences, physical sciences, or engineering, the Advanced Placement Chemistry course expands the knowledge and skills gained during the introductory high school chemistry course. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of chemistry.

- **Pre-requisites:** Honors Chemistry with a minimum score of 80 AND Honors Algebra II with a minimum score of 85 OR Teacher Recommendation with the same math requirements cited
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Physics 1

Course Description: AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

- **Pre-requisites:** Successful completion of Honors Chemistry or Honors Physics AND Geometry/Honors Geometry with a minimum score of 80
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Physics C (Mechanics)

Course Description: This calculus-based course includes a detailed study of classical (Newtonian) mechanics. Some students as college freshmen are permitted to undertake upper-level courses in physics or register for courses for which physics is a prerequisite after achieving an adequate score on the optional Advanced Placement examination.

- **Pre-requisites:** Honors Physics with a minimum score of 80 and Calculus or concurrent with AP Calculus OR Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Physics 2

Course Description: AP Physics 2 is an algebra-based, introductory college-level physics course that continues the study of physics beyond the topics in AP Physics 1. In AP Physics 2, students further explore electricity and circuits (including capacitors), electromagnetism, optics, fluids, thermodynamics, and modern physics (including nuclear physics, quantum mechanics, and relativity). Through inquiry-based learning, students will further develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

- **Pre-requisites:** Honors Physics/AP Physics 1 or C with a minimum score of 80 AND a minimum score of 80 in Geometry/Honors Geometry OR Teacher Recommendation.
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of credit:** 1.0
- **Quality Point:** 1.0

WORLD LANGUAGE

French I

Course Description: An introduction to the language and culture of France and other French-speaking countries, the course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing with an emphasis on oral proficiency.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

French II

Course Description: Designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency, this class will offer the student the ability to acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the French-speaking world.

- **Pre-requisites:** French I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

French II (Honors)

Course Description: In French II Honors the student begins a possible four-year sequence in which basic expressions, vocabulary, and grammar are introduced. The honors level student is expected to have excellent study and communication skills and be able to independently complete their assignments. The student is encouraged to express him/herself on topics such as greetings, descriptions, weather, likes and dislikes. Communication among students is an integral part of each lesson. Material will be presented at a faster pace, and higher-level thinking skills will be expected. More complex ideas and topics will be explored. Students who successfully complete French II Honors will be prepared to enroll in French III Honors.

- **Pre-requisites:** French I and Teacher Recommendations
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

French III (Honors)
Course Description: Designed to further develop the student's communication skills and cultural appreciation of the French-speaking world, this course will offer the student the ability to participate in a variety of oral and written activities.

- **Pre-requisites:** French II
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

French IV (Honors)
Course Description: This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography, and history of the French-speaking world.

- **Pre-requisites:** French III Honors
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

French V (Honors)
Course Description: This course focuses on the development of fluent communication using authentic materials from French-speaking countries such as newspapers, magazines, and web sites.

- **Pre-requisites:** French IV Honors
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP French Language
Course Description: This course is designed to prepare the student to take the Advanced Placement language test by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing.

- **Pre-requisites:** French V Honors and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit**: 1.0
- **Quality Point:** 1.0

Spanish I
Course Description: This class offers an introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing with an emphasis on oral proficiency.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish II

Course Description: This course is designed to further develop listening, speaking, reading, and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the Spanish-speaking world.

- **Pre-requisites:** Spanish I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish II (Honors)

Course Description: In Spanish II Honors the student begins a possible four-year sequence in which basic expressions, vocabulary, and grammar are introduced. The honors level student is expected to have excellent study and communication skills and be able to independently complete their assignments. The student is encouraged to express him/herself on topics such as greetings, descriptions, weather, likes, and dislikes. Communication among students is an integral part of each lesson. The students utilize the present, past and future tenses in reading, writing, listening, and speaking assignments. Material is presented in a cultural context, enabling the student to understand differences and similarities among societies. Material will be presented at a faster pace, and higher-level thinking skills will be expected. More complex ideas and topics will be explored. Students who successfully complete Spanish II Honors will be prepared to enroll in Spanish III Honors.

- **Pre-requisites:** Spanish I and Teacher Recommendation
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Spanish III

Course Description: Building on the previous courses of Spanish I and II, Spanish III will help further student knowledge of the Spanish language while incorporating real-world scenarios to help students gain more confidence with their language skills in the future workforce. Such activities may include learning a variety of interview skills all the way to how to build a resume.

- **Pre-requisites:** Spanish II
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Spanish III (Honors)

Course Description: This course is designed to further develop the student's communication skills and cultural appreciation of the Spanish-speaking world. The student will be able to participate in a variety of oral and written activities.

- **Pre-requisites:** Spanish II
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 0.5

Spanish IV (Honors)

Course Description: This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the Spanish-speaking world.

- **Pre-requisites:** Spanish III Honors and Teacher Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

Spanish V (Honors)

Course Description: This course focuses on the development of fluent communication using authentic materials from Spanish-speaking countries such as newspapers, magazines and web sites.

- **Pre-requisites:** Spanish IV Honors and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

AP Spanish Language & Culture

Course Description: This course emphasizes communication by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication.

- **Pre-requisites:** Spanish V Honors and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

Spanish VII (Honors)

Course Description: This course uses a multimedia approach to introduce students to short stories, novels, films, music, and true events pertaining to Spanish-speaking countries. Students reflect on the many voices and cultures present in the required texts and make cultural comparisons.

- **Pre-requisites:** AP Spanish Language & Culture and Teacher Recommendation
- **Grade Levels:** 11-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

CTAE

AUDIO VIDEO TECHNOLOGY & FILM PATHWAY

1. Audio Video Technology & Film – I

Course Description: Students taking this course will learn the basics of video production and broadcasting. They will learn and demonstrate their video production skills on a variety of recording devices such as smartphones and entry level consumer video cameras. They will learn and demonstrate pre-production skills to plan their videos and post-production skills using industry standard editing software. They will then use these skills to produce a 'live-to-tape' broadcast in a state-of-the-art studio and control room. Students will also develop key "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. SkillsUSA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film I will be utilized in subsequent courses. The pre-requisite for this course is advisor approval.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Audio Video Technology & Film – II

Course Description: Students taking this course will expand upon the knowledge and skills gained in AVTF-I. They will enhance their video skills through more in-depth use of cinematic lighting techniques and audio recording and editing. Students will be introduced to motion and production graphics and special effects using Adobe Production Premium After Effects and learn workflows that will enable them to utilize these skills in their videos. Students will explore multi-track audio editing with Adobe Audition. They will continue to work on and develop their "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. All material covered in Audio & Video Technology & Film II will be utilized in subsequent courses. The pre-requisite for this course is AVTF-I. Both AVTF-I and AVTF-II are required courses for the AVTF I and AVTF II Pathways.

- **Pre-requisites:** AVTF-I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Audio Video Technology & Film – III

Course Description: This course is the final course of the AVTF I Pathway. This one-credit transition course is designed to facilitate authentic video production projects for organizations both in and out of school under the guidance of the instructor. Students work cooperatively and independently in all phases of production. Communication, teamwork, customer service and problem solving are all skills that will be used in these "real-life" projects. A digital portfolio website will be created showcasing the best work. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA), and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. Knowledge gained and reinforced in this class will help students successfully complete the End-Of-Pathway-Assessment (EOPA) for this pathway which may result in college credits being earned for post-secondary courses.

- **Pre-requisites:** AVTF-I and AVTF-II
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

4. Broadcast Video Production – IV: Applications

Course Description: Broadcast Video Production IV-Applications is designed to immerse qualified students to a student produced live broadcast environment. Many key aspects of this class are based on the equipment and workflow used in network broadcasts. Positions both in front of, and behind, the camera are used with upward mobility to crew producers and directors a possibility. Students will work on and develop their "soft skills" that will help prepare them for college and/or their career. These skills will focus on communication, teamwork, problem solving and time management. Skills USA, the Georgia Scholastic Press Association, Journalism Education Association (JEA) and Student Television Network (STN) are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. Knowledge and experience gained and reinforced in this course along with successful completion AVTF-I and AVTF-II will help students successfully complete the End-Of-Pathway-Assessment (EOPA) for this pathway. Students completing this course have gone on to work for networks such as ESPN-3, and other collegiate broadcast networks.

- **Pre-requisites:** Application Only – Submit BVPIV_Application to William.Phelps@cobbk12.org
- **Grade Levels**: 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

TEACHING AS A PROFESSION PATHWAY

1. Examining the Teaching Profession

Course Description: Examining the Teaching Profession is the foundational course under the Teaching as a Profession pathway and prepares students for future positions in the field of education. Teaching as a Profession students study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards.

- **Pre-Requisite:** None
- **Grade Levels:** 9-11
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Contemporary Issues in Education

Course Description: This course engages the candidate in observations, interactions, and analyses of critical and contemporary educational issues. The candidate will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States and actively examines the teaching profession from multiple vantage points both within and outside of the school. Against this backdrop, the candidate will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy.

- **Pre-Requisite:** Examining the Teaching Profession
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Teaching as a Profession Practicum

Course Description: The practicum offers a candidate in the Teaching as a Profession career pathway a field experience under the direct supervision of a certified teacher (mentor teacher). The practicum stresses observing, analyzing and classifying activities of the mentor teacher and comparing personal traits with those of successful teachers. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of students with special needs, maintain the safety of the students, practice professionalism, and demonstrate ethical behavior. Mastery of standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization Family, Career & Community Leaders of America (FCCLA) will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

- **Pre-requisites:** Examining the Teacher Profession & Contemporary Issues in Education
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

4. TAPS Introduction to Career Competencies

Course Description: This course offers an extension of the practicum experience and focuses on preparing the student for a career in education by teaching essential employability skills, communication strategies, and safety protocols. Students will continue their field experience under the direct supervision of a certified teacher (mentor teacher) at a local elementary school.

- **Pre-requisites:** Teaching as a Profession Practicum
- **Grade Levels:** 11-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

BUSINESS AND TECHNOLOGY PATHWAY

1. Introduction to Business and Technology

Course Description: Introduction to Business & Technology is the foundational course for Business and Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society.

- **Pre-Requisite:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Business and Technology

Course Description: How is technology used to solve business problems and communicate solutions? Business and Technology is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Mastery use of spreadsheets and the ability to apply leadership skills to make informed business decisions will be a highlight of this course for students. Publishing industry appropriate documents to model effective communication and leadership will be demonstrated through project-based learning. Students will use spreadsheet and database software to manage data while analyzing, organizing, and sharing data through visually appealing presentation. Various forms of technologies will be used to expose students to resources, software, and applications of business practices. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization,
Future Business Leaders of America (FBLA) are integral components of the employability skills standard for this course.

- **Pre-Requisite:** Introduction to Business and Technology
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Business Communications

Course Description: What message are you sending when you speak, write, and listen? As one of the most important skills for employers, students will explore the value of communication in their personal and professional life. The digital presence and impact of written and visual communication in a technological society will be addressed. Students will create, edit, and publish professional appearing business documents with clear and concise communication. Creative design, persuasive personal and professional communications will be applied through research, evaluation, validation, written, and oral communication. Leadership development and teamwork skills will be stressed as students work independently and collaboratively. Presentation skills will be developed and modeled for student's master presentation software in this course. Various forms of technologies will be used to expose students to resources, software, and applications of communications. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready.

- **Pre-Requisite:** Intro to Business and Technology & Business and Technology
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

GRAPHIC AND DESIGN PATHWAY

1. Introduction to Graphics and Design

Course Description: As the first course in the Graphics Communication and Graphics Design Pathways, this course is the Introduction to Graphics and Design and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications.

- **Pre-Requisite:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

2. Graphic Design and Production

Course Description: As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. The prerequisite for this course is Introduction to Graphics and Design.

- **Pre-Requisite:** Introduction to Graphic and Design
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

3. Advanced Graphic Design (3rd course-End of first Pathway-Design)

Course Description: Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities. This is the final course in the Graphic Design pathway.

- **Pre-Requisite:** Intro to Graphics Design & Graphic Design and Production
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

4. Graphic Output Processes (4th course-End of 2nd Pathway Communications)

Course Description: As the third course in the Graphics Communication Pathway, students will gain more advanced levels of experience to complete the output processes of various projects in an increasingly independent manner. Students also learn to manage the output and completion process as a whole including customer relations management, printing, finishing, and binding. Students will continue to accumulate work samples that will constitute their personal portfolio. Upon successful completion of the course, students are prepared to move into employment or a postsecondary educational environment where self-motivation and a high.

- **Pre-Requisite:** Intro to Graphics Design, Graphic Design and Prod., & Advanced Graphic Design
- **Grade Levels:** 10-12
- **Terms Offered**: Fall & Spring
- **Unit of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

THERAPEUTIC SERVICES/SPORTS MEDICINE PATHWAY

1. Introduction to Healthcare Science

Course Description: Introduction to Healthcare Science is a foundations course for the Healthcare Science Career Pathways. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization - Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is a prerequisite for all Healthcare Science Education courses.

- **Pre-Requisite:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

2. Essentials of Healthcare (Human Anatomy as an embedded credit)

Course Description: Course Description: Essentials of Healthcare is a foundations course for the Therapeutic Medicine-Physical Medicine Career Pathways. It is appropriate for students wishing to pursue a career in the Sports Medicine/Rehabilitative Services Industry. The course focuses on the major systems of the body. Mastery of these systems and course standards through project-based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is a pre-requisite for the Sports Medicine course.

- **Pre-Requisite:** Introduction to Healthcare Science
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 2.0 (1.0 Essentials of Healthcare/1.0 Human Anatomy)

3. Sports Medicine

Course Description: Sports Medicine is a course for the Therapeutic Medicine-Physical Medicine Career Pathways. It is appropriate for students wishing to pursue a career in the Sports Medicine/Rehabilitative Services Industry. The course will enable students to enhance knowledge of Therapeutic Services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, and preventative care are evaluated. Fundamental healthcare skills development is initiated including medical terminology, nutrition, basic life support and recognition and treatment of athletic injuries. Mastery of these standards will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. Completion of this course makes the student eligible to take the End of Pathway Assessment, complete the pathway and be eligible for Work-Based Learning options.

- **Pre-Requisite:** Introduction to Healthcare Science & Essentials of Healthcare
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Unit of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

SPORTS & ENTERTAINMENT MARKETING PATHWAY

1. Marketing Principles

Course Description: Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Intro to Sports & Entertainment Marketing

Course Description: This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact it has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skills, Selling, Marketing-Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization. To increase the number of application experiences, students should participate in work-based learning activities and the student organization, (DECA, An Association of Marketing Students). It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** Marketing Principles
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Advanced Sports & Entertainment Marketing

Course Description: This course provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topical units include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. Project-based instruction, together with a variety of work-based learning activities, should be incorporated in this course to provide real-world application. Competitive event standards for the co-curricular student organization (DECA, An Association of Marketing Education Students) are integral components of the curriculum's core employability and technical skills' standards. Therefore, DECA competitive events should be incorporated with other instructional strategies developed for the course.

- **Pre-requisites:** Marketing Principles and Intro to Sports & Entertainment Marketing
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

MARKETING AND MANAGEMENT PATHWAY

1. Marketing Principles

Course Description: Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling. In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Marketing & Entrepreneurship: Building a Business

Course Description: Marketing and Entrepreneurship is the second course in the Marketing and Management Career Pathway. Marketing and Entrepreneurship begins an in-depth and detailed study of marketing while also focusing on management with specific emphasis on small business ownership. This course builds on the theories learned in Marketing Principles by providing practical application scenarios which test these theories. In addition, Marketing and Entrepreneurship focuses on the role of the supervisor and examines the qualities needed to be successful..

- **Pre-requisites:** Marketing Principles
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

3. Marketing Management

Course Description: Marketing Management is the third course in the Marketing and Management pathway. Students assume a managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management and financial alternatives, managing marketing information, pricing products and services, developing product/service planning strategies, promoting products and services, purchasing, and professional sales. This course also includes global marketing where students analyze marketing strategies employed in the United States versus those employed in other countries..

- **Pre-requisites:** Marketing Principles and Entrepreneurship: Building a Business
- **Grade Levels:** 10-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

COMPUTER SCIENCE PATHWAY

1. Intro to Software Technology (Computer Science)

Course Description: Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

- **Pre-requisites: None**
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Computer Science Principles

Course Description: Computer Science Principles is an engaging and creative course that allows you demonstrate and build your problem-solving ability while connecting the relevance of computer science to the society. Computer Science Principles is an intellectually rich and engaging course that is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts programming apps, abstracting, analyzing problems and artifacts, communicating, and collaborating.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9th Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0

2. AP Computer Science Principles

Course Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9th Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

3. AP Computer Science A

Course Description: AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language

- **Pre-requisites:** Intro to Software Technology, Computer Science Principles or AP Computer Science Principles, and Algebra
- **Grade Levels:** 11-12 (10^{th} with Teacher Recommendation)
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

PROGRAMMING PATHWAY

1. Intro to Software Technology (Computer Science)

Course Description: Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

- **Pre-requisites: None**
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

2. Computer Science Principles

Course Description: Computer Science Principles is an engaging and creative course that allows you demonstrate and build your problem-solving ability while connecting the relevance of computer science to the society. Computer Science Principles is an intellectually rich and engaging course that is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts programming apps, abstracting, analyzing problems and artifacts, communicating, and collaborating.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9th Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0

2. AP Computer Science Principles

Course Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

- **Pre-requisites:** Intro to Software Technology and Algebra
- **Grade Levels:** 10-12 (9th Spring with Teacher Recommendation)
- **Terms Offered:** Fall and/or Spring (As determined by registration numbers)
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

3. Programming Games Apps & Society

Course Description: Programming Games Apps & Society is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry

- **Pre-requisites:** Intro to Software Technology, Computer Science Principles or AP Computer Science Principles, and Algebra
- **Grade Levels:** 11-12 (10th with Teacher Recommendation)
- **Terms Offered:** Fall
- **Units of Credit:** 1.0
- **Quality Points:** 1.0

***Work Based Learning (WBL – Youth Apprenticeship) – See Below**

*WORK-BASED LEARNING (WBL-YOUTH APPRENTICESHIP)

Work-Based Learning

Course Description: Work-Based Learning placements represent the pinnacle of the Career-Related Education experience. WBL is an opportunity to be released from school early to go to work and start gaining some real-world work experience – and get school credit! You can have a paid part-time position or an unpaid internship. We try to relate your work experience to your long-term career goals, but you can also get WBL credit if you just have a general part time job. This is a great opportunity to begin building your resume while still in high school. To qualify for a WBL placement, a student must be in grades 11 or 12 and at least 16 years old. Students must have a clean discipline record and attendance record. Students must also have a defined Career Pathway to participate in a Work-Based Learning placement. This is especially important for successful completion of a student's pathway in that their job placement is directly related to the curriculum of the pathway classes they have completed or in which they are concurrently enrolled. There are several opportunities for students to participate in work-based learning. These opportunities include employability skill development, Cooperative Education, Internship, Youth Apprenticeship, and Clinical Experiences.

- **Pre-Requisites:** Defined CTAE Pathway**,** WBL Application, and Coordinator Approval
- **Grade Level:** 11-12
- **Term Offered:** Fall & Spring
- **Units of Credit:** 1. 0 – 2.0

HEALTH & P.E

Health/BPE

Course Description: This life skills prevention program focuses on how to avoid the high-risk behaviors of society. The students learn how to reach higher virtues and morals, and how to make good decisions and use refusal skills. The curriculum teaches the five components of being well. The ADAP Program teaches students to obtain their driver's license, CPR certification is offered, an abstinence-based program on human sexuality issues is taught, and the intensity of the reality of life is well thought out by use of critical thinking techniques. This course also helps students understand the significance of lifestyle choices on health and fitness levels. Students will learn physical fitness concepts in a classroom setting and will apply them while actively participating in a total fitness program. The fitness program will consist of a cardio-respiratory and strength circuit program using new state-of the art equipment. Heart rate monitors will also be used to monitor students' cardiorespiratory. This course is a graduation requirement.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Introductory Team Sports

Course Description: This course introduces fundamental skills, strategies and rules associated with team sports such as basketball, volleyball, soccer, softball, floor hockey, flag football, team handball, and ultimate Frisbee.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Intro Recreational Games

Course Description: Integrates a variety of strategies, tactics, concepts, and skills during recreational games activities. Participation in activities designed to improve skills for personal challenges, enjoyment, and expression. Introduces recreational games for lifetime leisure activities which may include table tennis, shuffleboard, frisbee, deck tennis, spike ball, bowling, Bocce ball, Cornhole, horseshoes, darts and croquet. Emphasizes the rules of each game and the skills necessary to play.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Intro Outdoor Education/Intro Lifetime Sports

Course Description: Students spend the first nine weeks studying outdoor sports. Outdoor education promotes an appreciation of the outdoors; provides physical activities and adventures in an outdoor laboratory. Covers camping, fishing, hiking, orienteering, backpacking, repelling, outdoor cooking, boating safety, hunter safety, riflery and archery. Students will spend the second nine weeks studying lifetime sports. Lifetime sports introduces fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

Physical Conditioning

Course Description: This class is designed to train the student in foundation movement principles. The focus is on training for strength and power in the weight room. A variety of warm-ups are used to prepare for training. Included is a focus on training all phases of movement: acceleration, linear, speed, and multidirectional. This is a class for the highly motivated student interested in serious and specific training.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Physical Conditioning for Athletes

Course Description: Designed for the student who participates in one or more of the following sports at Harrison: Lacrosse, Soccer, Softball, Tennis, Track, and Volleyball. This course is designed to personalize training while building on the principles for success from physical conditioning. The focus is on training for strength and power in the weight room with an emphasis on complex and power training. A variety of warmups are used to prepare for training with a focus on all phases of movement: acceleration, linear, speed, and multi-directional. All of the training tools (bungies, parachutes and harnesses) will be used to advance the learning curve. This is a class for the highly motivated student interested in serious and specific training.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Weight Training

Course Description: Designed for the student with limited weight training experience, this course emphasizes acquiring basic knowledge in strength development training and proper lifting techniques. The student should gain proficiency in the basic fundamentals of strength and conditioning.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Weight Training for Athletes

Course Description: Designed for the student who participates in one or more of the following sports at Harrison: Basketball, Baseball, Golf, Swimming, and Wrestling. Advanced concepts and techniques will be introduced. Complex Olympic and power lifts will be presented. Students will be required to execute with precision these advanced techniques and will be filmed and evaluated. Highly motivated students/athletes are encouraged to enroll.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

9th & JV Football Weight Training

Course Description: Designed for the student athlete with limited weight training experience, this course emphasizes acquiring basic knowledge in strength development training and proper lifting techniques. The student should gain proficiency in the basic fundamentals of strength and conditioning.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Varsity Football Weight Training

Course Description: Designed for the student athlete with prior weight training experience. Advanced concepts and techniques will be introduced. Complex Olympic and power lifts will be presented. Students will be required to execute with precision these advanced techniques and will be filmed and evaluated.

- **Pre-requisites:** Coach Recommendation
- **Grade Levels:** 10-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

FINE ARTS

Visual Arts: Comprehensive (VA Comp/Intro to Art)

Course Description: This course introduces art history, criticism, and studio production. It emphasizes the ability to understand and use the elements of art and principles of design through a variety of media processes and visual resources.

- **Pre-requisites:** None
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Visual Arts: Comprehensive II
Course Description: This course explores a variety of art-making techniques and media with an emphasis on developing skills as students examine solutions to visual problems through student artwork and those of other artists. Students will investigate master artwork to increase awareness and to examine the role of art in past and contemporary societies.

- **Pre-requisites:** Visual Arts: Comprehensive (VA Comp/Intro to Art)
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Drawing & Painting I
Course Description: This course introduces drawing and painting techniques and a variety of drawing and painting media. It emphasizes the development of drawing and painting skills and utilizes problem solving skills to achieve desired results.

- **Pre-requisites:** Visual Arts: Comprehensive II
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Drawing & Painting II
Course Description: This course enhances skills acquired in the level 1 course and provides additional opportunities to apply drawing and painting methods. It emphasizes development of drawing and painting skills from observation and utilizes problem solving skills to achieve desired results. It also stresses critical analysis of master artworks of different styles and historical periods.

- **Pre-requisites:** Drawing & Painting I
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Ceramics I
Course Description: This course introduces the characteristics of clay and design using various techniques of construction and surface treatments. Studio processes are emphasized, and students are involved in firing and presenting their clay work.

- **Pre-requisites:** Visual Arts: Comprehensive (VA Comp/Intro to Art)
- **Grade Levels:** 9 -12
- **Terms Offered:** Fall and/or Spring
- **Units of Credit:** 1.0

Applied Design
Course Description: This course introduces professional artistic habits with an emphasis on exhibition and curatorial skills. Students learn how to work thematically, exploring topics on an individual basis. Applied Design prepares students for the rigor of AP Art and Design and should be taken in the Fall to prepare for AP in the Spring.

- **Pre-requisites:** Three or more art credits or Teacher Recommendation
- **Grade Levels:** 11 -12
- **Terms Offered:** Fall
  Units of Credit: 1.0

AP Studio Art: 2D Design

Course Description: AP Studio Art: 2D Design skill categories delineate overarching understandings central to the study and practice of art and design. Each of the three skill categories consists of skills that encompass foundational to advanced learning over the span of the course. Students need to develop, practice, and apply these skills in a variety of contexts. Skills include inquiry through investigation, making through practice/experimentation/revision, and communication/reflection.

- **Pre-requisites:** Applied Design or Teacher Recommendation
- **Grade Levels:** 11 -12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

PERFORMING ARTS

Orchestra

Freshman Philharmonic (Beginning Orchestra)

Course Description: The Freshman Philharmonic is an Intermediate Level string instrument performance class for freshmen string instrumentalists with approximately three years of training in performance fundamentals. The orchestra rehearses during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing intermediate literature. **Fall Semester Only.**

- **Pre-requisites:** Middle School Orchestra or Equivalent Prior Orchestral Experience
- **Grade Levels:** 9
- **Terms Offered:** Fall
- **Units of Credit:** 1.0

Classic Orchestra (Intermediate Orchestra)

Course Description: The Classic Orchestra is an Intermediate Level string instrument performance class for string instrumentalists who have a minimum of four years of training (or equivalent) in performance fundamentals. The orchestra rehearses all year during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Each orchestra course is designed to cater to the individual needs of the students based on their current skill level. Students will continue to deepen their understanding of individual and ensemble performance skills performing intermediate literature.

- **Pre-requisites:** Prior Orchestral Experience or Teacher Recommendation
- **Grade Levels:** 10-12 (Fall), 9-12 (Spring)
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Philharmonia Orchestra (Advanced Orchestra)

Course Description: The Philharmonia Orchestra is an Advanced Level string instrument performance class for string instrumentalists who have advanced training in performance fundamentals. The orchestras rehearse all year during the school day. Music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing advanced literature. Each orchestra course is designed to cater to the individual needs of the students based on their current skill level. Auditions for placement into this ensemble are held prior to registration for each term.

- **Pre-requisites:** Prior Orchestral Experience and Audition Required
- **Grade Levels:** 9-12
- **Terms Offered:** Spring
- **Units of Credit:** 1.0

Chamber Orchestra (Mastery Orchestra)

Course Description: The Chamber Orchestra is a Mastery Level string instrument performance class for string instrumentalists who have extensive training in performance fundamentals. The orchestras rehearse all year during the school day. Advanced music fundamentals and principles are taught, reinforced, and developed through the course curriculum. Students will continue to deepen their understanding of individual and ensemble performance skills performing advanced literature. Each orchestra course is designed to cater to the individual needs of the students based on their current skill level. Auditions for placement into this ensemble are held prior to registration for each term. Additionally, this ensemble performs with winds and percussion as the Harrison Symphony Orchestra.

- **Pre-requisites:** Prior Orchestral Experience and Audition Required
- **Grade Levels:** 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Band

Advanced Band (Wind & Ensemble), Intermediate Band (Symphonic), Beginning Band (Concert)

Course Description: The foundation of the music education experience at Harrison is established in the concert band courses. These include Wind Ensemble (Advanced Band), Symphonic Band (Intermediate Band) and Concert Band (Beginning Band). These bands rehearse all year during the school day. It is in this setting that music principles and fundamentals are taught, practiced, and developed. Therefore, participation in all other aspects of the band program is contingent upon enrollment in one of the concert bands classes. Each course is designed to cater to the individual needs of the students and is therefore ability-based. Auditions for placement into these ensembles are held prior to registration for each term.

- **Pre-requisites:** Band course through middle school and Audition Required
- **Grade Levels:** 9 -12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Instrumental Ensemble Techniques (Percussion Class)

Course Description: The foundation of the music education experience for percussionists at Harrison is established in the Percussion Class. This class meets in the Fall Semester during the school day. It is in this setting that music principles and fundamentals for percussion are taught, practiced, and developed. Therefore, participation in all other aspects of the percussion program is contingent upon enrollment in this class.

- Pre-requisites: Band course through middle school or Teacher Recommendation
- Grade Levels: 9 -12
- Terms Offered: Fall
- Units of Credit: 1.0

Theatre

Theatre Fundamentals

Course Description: Open to all students, regardless of experience level, this semester long course serves as an introduction to the art and craft of Theatre. Students will explore theatre history, basic acting and performance skills, actor preparation techniques, playwriting, design and technical theatre, dramaturgy, and theatre etiquette. Actors and Technicians will combine these skills in a culminating Devised Theatre performance.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Acting I

Course Description: Acting I introduces the acting process and the role of the actor in various styles/methods with a focus on scene study. Stresses developing imagination, observation, concentration powers, and self-discipline. Includes developing physical and vocal control while transmitting emotions, convictions, and ideas; enhances self-confidence and self-awareness. Theatre is used as a means to encourage cooperative learning, teamwork, organization, and leadership skills. The class allows all students the opportunity to perform on a regular basis.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall
- **Units of Credit:** 1.0

Advanced Drama

Course Description: This advanced course is designed to further develop students in the art and craft of theatre. Students will explore the role that acting, directing, dramaturgy, and technical elements have in the creation of a theatre production. Advanced techniques of movement, vocal support, character development, and performance will be emphasized, as well as design, tech, and Stage Management. Students will have several opportunities to perform both in class and for the public. After-school rehearsals will be required as part of this course. A detailed rehearsal schedule will be made available at the beginning of class.

- **Pre-requisites:** Theatre Fundamentals
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Chorus

Beginning Mixed Chorus

Course Description: This is the foundational level choral ensemble at Harrison High School. It is designed to teach beginning level musical principals including basic to intermediate music reading, part independence, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** None
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Intermediate Women's Chorus

Course Description: This is the intermediate level choral ensemble for soprano and alto voices at Harrison High School. It is designed to review beginning level musical principals and expound upon prior knowledge. This course also includes heavy emphasis on individual vocal tone and technique building. Other topics include intermediate music reading, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** Audition Only
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Advanced Mixed Chorus

Course Description: This is the advanced level choral ensemble at Harrison High School. It is designed to review intermediate level musical principles and expound upon prior knowledge. Repertoire performed in this ensemble starts at the advanced high school level and continues into collegiate repertoire. Other topics include advanced music reading, music history, composition, aural skills, and music theory. Each choral ensemble is designed to cater to the individual needs of the students and is therefore ability-based.

- **Pre-requisites:** Auditions Only
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

AP Music Theory

Course Description: In this course you will learn to recognize, understand, and describe the basic materials and processes of music. You'll develop skills by listening to, reading, writing, and performing a wide variety of music. Skills taught include identifying features of pitch, interval, scales and keys, chords, meter, rhythm, and other musical concepts in performed and notated music; notating music that you hear; singing a notated melody on sight; and completing music based on cues, following common-practice style.

- **Pre-requisites**: Inter., Adv., or Mastery Band, Orchestra, or Chorus or Teacher Recommendation
- **Grade levels:** 11-12
- **Terms offered:** Fall
- **Units of Credit:** 1.0
- **Quality Point:** 1.0

OTHER

JROTC Navy Naval Science I, II, III, and IV

Course Description: The Military Science (JROTC) program prepares students for leadership roles while making them aware of their rights, responsibilities, and privileges as Americans. The mission of JROTC is to motivate young people to be better citizens. The program promotes graduation from high school, and provides instructional opportunities which benefit the student, community, and nation. Wearing the military uniform once a week is a requirement to participate in JROTC. While in uniform, cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards. Cadets study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objective of JROTC. Students who take a series of three JROTC classes satisfy the Health/BPE state graduation requirement and do not have to take it separately.

- **Pre-requisites**: None
- **Grade Levels**: 9-12
- **Terms Offered:** Fall & Spring
- **Units of Credit:** 1.0

Mentorship/SPA

Course Description: Student Professional Assistant (SPA) positions are mentorship positions under the supervision of a faculty or staff member. Students in these positions assist with daily duties such as greeting guests, making copies, setting up activities/labs, organizing, filing, etc. These students must display a positive attitude, be able to work independently, have a 3.0 GPA, and have a clean discipline record. Students choosing to fill a Mentorship/SPA position must make a commitment to serve where needed. While we do try to place SPAs in areas addressing their strengths, we do not accept requests for positions in certain areas or departments.

- **Pre-requisites:** Application must accompany registration – To access Application click here.
- **Grade levels:** 11-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Minimum Day/Minimum Morning

Course Description: Minimum Day/Minimum Morning is an opportunity for Seniors who are on track for graduation. Students who request Minimum Day/Minimum Morning should discuss this option with their counselor and must be on track for graduation. Students cannot serve as an SPA and have Minimum Day/Morning in the same semester.

- **Pre-requisites:** Must be on Track for Graduation
- **Grade levels:** 12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Event Services

Course Description: Located at Harrison High School, the school district's Events Office is responsible for the planning, coordination, and production of over 100 events and live broadcasts each year. The Event and Media Productions program engages students in collaborative, work-based activities to produce high-quality projects, events, and broadcasts while developing students' critical thinking, problem solving, and leadership skills. Students participate through an elective course during the school day and part-time paid work. An application and interview are required for acceptance to the program.

- **Pre-requisites:** Interview/Application Only – Applications are available in Room 240
- **Grade levels:** 10-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0

Online Courses through Cobb Virtual Academy (CVA)/Georgia Virtual School (GaVS) –

CVA One (Used as a placeholder on schedule for online courses)

Course Description: Students request to move to an online class during drop/add. Online paperwork and registration must be completed before students will be scheduled for online classes; therefore, **s**tudents wishing to take online courses through Cobb Virtual Academy and/or Georgia Virtual School must seek approval from their counselor. Students must register for courses that earn 1.0 full credit (Y or AB courses) or two courses that earn 0.5 credit (A and B courses). A placeholder of CVA One will be placed on the student's schedule until the student registers for the course through CVA or GaVS. Students must take the course through CVA if it is offered. Students will be scheduled for online classes at the beginning or end of each school day and must complete classwork at home.

- **Pre-requisites:** Approval by counselor
- **Grade levels:** 9-12
- **Terms offered:** Fall & Spring
- **Units of Credit:** 1.0 (or two 0.5 credit classes)

Dual Enrollment Courses

Students request to move to a Dual Enrollment course by speaking with their counselor and completing a drop/add request. Dual Enrollment (DE) courses can be taken in partnership with selected colleges and universities. Taking DE courses requires approval from your counselor and acceptance from the college or university. Please see your counselor for more information.