



# Course Catalog

BISHOP HARTLEY  
HIGH SCHOOL

2024 / 2025

# **Business**

## **Marketing**

1 Semester

½ Credit Hour

Grades: 11, 12

Prerequisite: None

How does one take a product from the idea stage all the way to store shelves? This course will help students to answer this question. It will give students the basics needed to be successful in a business venture. This course is designed to introduce students to the world of business through the lens of marketing. Students will learn the meaning of business marketing, study its various forms, and investigate the different types of business ownership. During the semester, students will create a product, a brand, a logo, a marketing plan and much more.

## **Personal Finance**

1 Semester

½ Credit Hour

Grades: 11, 12

Prerequisite: None

How do you manage money, income, debt, and expenses to achieve financial success? This course answers these questions to help students better prepare for their financial futures. It gives them the tools necessary to manage their money effectively in a constantly changing economic environment. Students gain proficiency in personal finance to help them grow into conscientious, independent, and active members of society.

## **Sports Management**

1 Semester

½ Credit Hour

Grades: 11, 12

Prerequisite: None

This semester-long course is designed to introduce students to the interdisciplinary study of sports management. Students will have access to a curriculum that offers an in-depth study of managing a sports team, including, but not limited to, branding, community engagement, corporate social responsibility, teamwork, and leadership. Students will have the opportunity to talk with professionals from the sports field that come in to speak with the class. Students will choose a profession in sports and teach the remainder of the class about the profession.

## **Business Law**

1 Semester

½ Credit Hour

Grades: 10 (with instructor approval), 11, 12

Prerequisite: None

What do you really know about what it takes to start and run a business? What do you need to know in order to run a business legally? Business owners and leaders are accused of crimes, but what does that mean? Businesses are sued for millions. Do they actually have to pay? The Business Law course provides students with answers to these questions, plus the answers to many more. Students in this course study laws that govern our society and how the application of those laws have consequences for both individuals and businesses. Students will explore a wide range of topics including criminal law, tort law, contracts and constitutional law. Students will develop an understanding of how laws may apply to real world situations as they pertain to business and the role businesses play in society.

## **Advanced Placement Microeconomics**

1 Semester

1/2 Credit Hour

Grades: 11 & 12

Prerequisite: None

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. From personal finance, perspective students will be introduced to the basic functions of managing the financial well-being of an adult who earns currency in exchange for labor. Students will then be asked to apply these functions to and with microeconomic principles. Students have the option to take the National Advanced Placement Examination. Depending on the results of the student's examination grade, colleges may grant advanced placement and/or college credit.

# Engineering & Technology

## Engineer Your World I

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: 'B' or better in all previous science and math courses including Algebra I; and permission of instructor.

Elective:

This course is designed for the student who plans or is thinking of pursuing Engineering in college. Dual-enrollment is offered through the University of Texas – Austin. Students will discover an engineering design process in a project-based environment and be exposed to a variety of engineering disciplines by engaging in socially relevant design challenges.

Disciplines include, but are not limited to, chemical engineering, computer engineering, and aeronautical engineering. Projects will cover aspects of the engineering design process such as reviewing customer needs, working with data, and reverse engineering. Projects will use technology such as software programs, sensors, and microcontrollers. This course serves as a prerequisite to all future engineering classes.

## Engineer Your World II

1 Full Year

1 Credit Hour

Grades: 10, 11, 12

Prerequisite: 'B+' or better in Engineer Your World I; 'B' or better in all previous science and math courses; and permission of instructor.

Elective: This course is designed for the student who plans or is thinking of pursuing Engineering in college. Dual-enrollment is offered through the University of Texas – Austin. Students will utilize the design process discovered in EYW I in a project-based environment to engage with more socially relevant design challenges. All projects will require programming Raspberry Pis using the Python programming language. Project scenarios include an autonomous robot and motion capture to gauge the effectiveness of a physical therapy regime.

## Engineer Your World III

1 Full Year

1 Credit Hour

Grade: 11, 12

Prerequisite: Engineer Your World I/Engineer Your World II

Elective: This senior capstone design course is intended for the student who plans or is thinking of pursuing Engineering in college. This course will be an authentic, project-based engineering course. Students will work in teams to identify a need in their community and apply the engineering design process to address that need. This student-driven, special-projects course will give students the opportunity to apply the skills developed in previous engineering courses in an open world environment. The outcome of this course will consist of a portfolio that students can showcase.

## **Explorations in Electrical Engineering**

1 Semester

½ Credit Hour

Grades: 10, 11, 12

Prerequisite: 'B+' or better in Engineer Your World I; 'B' or better in all previous science and math courses; and permission of instructor.

Elective: This course is designed for the student who plans or is thinking of pursuing Engineering or Computer Science in college. Students will learn about the components and low-level programming of a computer. Analog and digital circuits be touched on. Students will incorporate the design process from EYW I along microcontroller / sensor systems to embody solutions for scenarios presented in class.

## **Introduction to Engineering Prototyping**

1 Semester

½ Credit Hour

Grades: 10, 11, 12

Prerequisite: 'B+' or better in Engineer Your World I; 'B' or better in all previous science and math courses; and permission of instructor.

Elective: This course is designed for the student who plans or is thinking of pursuing Engineering in college. The course will incorporate the design process from EYW I along with engineering graphics to embody solutions to scenarios presented in class. Topics include drafting; 3D modeling; 3D printing; circuits.

## **Introduction to Computer Science**

1 Semester

½ Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: 'B' or better in all previous science and math courses and permission of instructor.

Elective: This course is designed for the student who plans or is thinking of pursuing Engineering or Computer Science in college. Students will study the use of the Python programming language to complete a semester long project. This project will include creative writing. This course is a prerequisite to all AP Computer Science classes.

## **AP Computer Science**

1 Full Year

1 Credit Hour

Grades: 10, 11, 12

Prerequisite: Completion of Introduction to Computer Science with a 'B+' or better; 'B' or better in all previous science and math courses; Algebra I; and permission of instructor.

Elective: This course is for students who plan on or are thinking of majoring in a STEM field in college and focuses on development of computer programs and logic. Students are required to take both the AP Computer Science A and AP Computer Science Principals exams. Students will learn and expand their skills in coding by analyzing, writing, and testing programs as concepts are explored. Topics include data organization and algorithmic thinking. Students will utilize the Java programming language. Creative problem solving; how to apply computational processes in order to analyze big data, programming; how the

internet works; how we innovation can span across fields; and the impact on society of computing innovations. Students will receive credit on their transcript for both AP Computer Science A and AP Computer Science Principals.

### **Computer Applications**

1 Semester

½ Credit Hour

Grades: 9

Fee: \$15

Prerequisite: None

Elective: This course helps freshmen achieve a base level understanding of several Microsoft Office 365 applications that will aid in their high school career. The objectives will be achieved through projects to support other classes material, content, or outside interests. Once skills in Word, Excel, and Powerpoint are gained students will shift into other realms of computer applications such as computer drawing. At the end of the semester, students will be introduced to computer science with the aid of a block style programming language.

### **Engineering and Technology History**

1 Semester

½ Credit Hour

Grades: 9

Fee: \$15

Prerequisite: Enrollment in Honors Biology and/or an Honors Math Course; instructor permission.

This course is designed for the student who plans or is thinking of pursuing Engineering in college. The student will explore the engineering & technology of various cultures and time periods through articles & discussions. As a hands-on project-based class the student will be empowered to explore various facets of engineering & technology and build their version.

### **Advanced Topics in Computer Science**

1 Semester

½ Credit Hour

Grades: 11, 12

Prerequisite: An 85% in AP Computer Science or minimum of a 3 on the AP Computer Science Courses

This project-based, semester course is for juniors and seniors to be taken after completion of AP Computer Science. As a repeatable course, students will have opportunities to continue, refine, and build their skillsets in topics such as graphics; game design; mobile applications; data analysis; and cyber security.

# English

## English 9

1 Full Year

1 Credit Hour

Grade: 9

Prerequisite: None

The freshman English program focuses on the following general areas of the language arts: grammar and usage, written composition, short compositions of the creative or expository nature, a broad view of types of literature and basic literary terminology, oral expression and drama with experience working in front of a group, study skills with an emphasis on writing responses to essay questions on tests and assignments, and vocabulary enrichment.

## Honors English 9

1 Full Year

1 Credit Hour

Grade: 9

Prerequisite: Meet criteria

To enter this course, the student must be recommended by the eighth-grade teachers and achieve a superior rating on the Hartley placement test and score in the 90<sup>th</sup> percentile in Reading and English on a standardized test. Students who register after April 1 may not have the opportunity to be considered. The freshman Honors English program focuses on the following general areas of the language arts: grammar and usage, written composition, short compositions of the creative or expository nature, an in-depth view of types of literature and literary terminology, oral expression and drama with experience working in front of a group, study skills with an emphasis on writing responses to essay questions on tests and assignments, and vocabulary enrichment.

## English 10

1 Full Year

1 Credit Hour

Grade: 10

Prerequisite: English 9

The sophomore English program focuses on the following areas: grammar – concentration on sentence structure and diction; instruction and practice in writing narration, description, exposition, and persuasion; a thematic and/or genre approach to literature depending on the individual class; theater with an historic introduction to theater; oral expression to class and informal speeches; vocabulary enrichment.

## Honors English 10

1 Full Year

1 Credit Hour

Grade: 10

Prerequisite: B or above in Honors English 9, or an A in English 9 and teacher recommendation

The sophomore English program focuses on the following areas: grammar with a concentration on sentence structure and diction; instruction and practice in writing

narration, description, exposition, and persuasion; a thematic and/or genre approach to literature depending on the individual class; theater – an historic introduction to theater; oral expression; presentations to class and informal speeches; vocabulary enrichment. Selection for honors course is based on superior grades, teacher recommendation, consistent demonstration of academic habits of mind, and superior performance on the English placement test.

### **English 11**

1 Full Year

1 Credit Hour

Grade: 11

Prerequisite: English 10

The junior English program is divided into three major units: the study of American literature, the development of critical thinking and reading skills, and written composition. The literature study includes interpretation and oral and written responses to improve reading proficiency and to expand vocabulary. Writing assignments may include the personal essay, the informative essay, and the critical essay. A major research paper is an important component of the junior English program. Failure to participate in this research process will result in a failing grade for the quarter. To be permitted to English 12, a student must complete the research paper to the teacher's satisfaction.

### **Honors English 11**

1 Full Year

1 Credit Hour

Grade: 11

Prerequisite: A in English 10 or above in Honors English 10 and the recommendation of the teacher

The junior English program is divided into three major units: the study of American literature, the development of critical thinking and reading skills, and written composition. The literature study includes interpretation and oral and written responses to improve reading proficiency and to expand vocabulary. Writing assignments may include the personal essay, the informative essay, and the critical essay. A major research paper is an important component of the junior English program. Failure to participate in this research process will result in a failing grade for the quarter. In order to be permitted to English 12 levels, student must complete the research paper to the teacher's satisfaction. Honors English 11 differs from English 11 in that it is an accelerated program focusing primarily on literary analysis. Reading and writing assignments for this course are more advanced than those in English 11. Selection for this honors course is based on superior grades, teacher recommendation, consistent demonstration of academic habits of mind, and superior performance on the English placement test. Entrance into the course also requires a prerequisite of an A in an English 10 course or a minimum of a B or above in Honors English 10.



### **Junior Advanced Placement: English Language and Composition**

1 Full Year

1 Credit Hour

Grade: 11

Prerequisite: A in Honors English 10, teacher recommendation, and superior achievement on placement test.

The major aim of the course is to help students develop critical thinking skills in both oral and written responses. The syllabus focuses on significant themes of major works in American literary tradition. Composition will stress literary analysis as well as analysis of rhetorical structure, the language of argument and stylistics of language. Evaluation is based on teacher recommendation as well as class discussion and written responses. A major research paper is required. Entrance and continuation in the program also carry the prerequisite of an A in an Honors English 10 course. The Advanced Placement Language and Composition test administered in May is a requirement of the course. To pass the course, a student must complete the research paper to the teacher's satisfaction.

### **English 12**

1 Full Year

1 Credit Hour

Grade: 12

Prerequisite: English 11 and successful completion of the English 11 research paper.

The senior English program emphasizes the study of British and world literature; units on rhetorical strategies and visual literacy are included. Written composition stresses critical writing. Speech activities emphasize persuasive speaking and discussion. A senior capstone project is part of the English 12 program and must be completed to pass the course.

### **Honors English 12**

1 Full Year

1 Credit Hour

Grade: 12

Prerequisite: A in English 11 or B or above in Honors English 11, teacher recommendation, and the successful completion of the English 11 research paper.

The senior English program is divided into four major units: the study of British literature; the development of critical reading and thinking skills; development of composition and research skills; and the study of the psychology of language. Literature study includes interpretation of literature, poetry, and drama as well as non-fiction essays. Writing assignments may include personal, informative, and critical essays. A research paper is part of the Honors English 12 program and must be completed to pass the course.

Selection for this honors course is based on superior grades, teacher recommendation, consistent demonstration of academic habits of mind, and superior performance on the English placement test. Entrance into the course also requires a prerequisite of an A in an English 11 course or a minimum of a B in Honors English 11. A senior capstone project is part of the English 12 program and must be completed to pass the course.

## Senior Advanced Placement: English Literature and Composition

1 Full Year

1 Credit Hour

Grade: 12

Prerequisite: B+ or above in AP English 11, teacher recommendation, and the successful completion of the English 11 research paper.

Teaching material covers a wide variety of literary classics that stress universal themes and philosophical content with emphasis on British and world literature. Evaluation is based on class discussion and compositions that stress literary analysis. Selection is based on superior grades, teacher recommendation, and consistent demonstration of academic habits of mind. Entrance and continuation in the program also carry the prerequisite of a B- in an Honors or Advanced Placement English course. The Advanced Placement Literature and Composition test is administered in May as a requirement of the course. A senior capstone project is part of the English 12 program and must be completed to pass the course.

## Public Speaking

1 Semester

½ Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: None

**Elective:** Speech is a basic course in speaking and the principles of human communication. The course provides opportunities to express ideas clearly through a variety of speeches. Students also learn critical thinking skills and the practical skills of sales, interviewing and the use of audiovisual materials.

## Journalism I

1 Semester

½ Credit Hour

Grades: 10, 11, 12

Prerequisite: English Teacher recommendation or placement in English 9 CP or Honors English 9 (for incoming freshman)

**Elective:** This course is designed for a student interested in news journalism and developing as a writer. The course explores the history of journalism, contemporary media, and ethical responsibility inherent in freedom of the press. Students will learn the fundamentals of news, features, editorial, and sport writing. Copy editing, news style and editing will be stressed.

## Creative Writing

1 Semester

½ Credit Hour

Grades: 10, 11, 12

Prerequisite: B- or higher in Eng 9, 10, or 11 - recommendation of previous year English teacher or team leader

Designed for students with an interest in developing or strengthening creative talents in writing, this course focuses on both communication through writing and development of students' creative talents. The personal beliefs and opinions expressed allow the students to

better understand themselves and others. The course further fosters a sense of personal accomplishment and confidence, and in addition, an appreciation of this medium of self-expression. Students will explore several modes of writing including, but not limited to poetry, short stories, drama, and graphic literature. This course is designed to encourage the development and expression of creative ideas in writing.

# Health Promotion and Sport Science

## Health and Wellness

1 Semester

½ Credit Hour

Grade: 9

Prerequisite: None

This required course is designed to help students make independent and informed decisions concerning their physical, mental, emotional, social, spiritual, and intellectual well-being. It encourages the student to identify his/her core values and unique gifts to develop attitudes and patterns of behavior that will engage and advocate for a comprehensive and satisfying life of holistic health and wellness. Individual, family, community and global health topics, concerns and issues are explored and examined through multiple perspectives with the goal of developing and maintaining health literacy and healthy behaviors throughout life.

## Physical Education

1 Semester

¾ Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: None

The goal of physical education is to develop physically literate individuals who have the knowledge, skills and confidence to enjoy a lifetime of healthful physical activity. Students are required to take one semester of Physical Education and one semester of Lifetime Fitness in order to complete their graduation requirements. One session of Summer Phys Ed can substitute for 1 semester. Two sessions of Summer Phys Ed completes the graduation requirement. This is a semester class for students and offers a variety of physical activities designed to develop the students' physiological, psychological, and sociological growth through participation in various forms of physical activity and recreation. Both individual and team concepts are incorporated. Activities vary by season, weather and facilities. An emphasis is placed on cooperation, participation and leadership that appropriately challenges and engages each student daily. Students will discover, promote and expand their current levels of physical development, recreation, growth and fitness.

## Nutrition for Life, Sport and Performance

1 Semester

½ Credit Hour

Grades: 10, 11, 12

Prerequisite: None

Lab Fee: \$35

Nutrition for Life, Sport and Performance is a semester elective course designed for students who want to examine and explore the current and changing nutritional trends as well as the science and physiology behind nutrients and their impact on growth, development, disease prevention and sport performance. Students will cover a variety of nutritional topics ranging from the food industry, food prep, meal planning, nutrient physiology, nutrient and label literacy, nutritional plans, cultural and historical food

customs and traditions. Students should be willing to try various foods that are prepared within class labs as well participate in the planning and preparation of the labs. Students will be encouraged to develop their own nutritional plans while keeping the balance of proper nutrition and maintaining active lifestyles. Evaluation is based on assignments, labs, participation and test assessments.

ALLERGY WARNING – students with severe food allergies should not take this class. Students should also be willing to taste and try various forms of food during units of focus.

### **Lifetime Fitness**

1 Semester

$\frac{1}{4}$  Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: None

Lifetime Fitness is a semester course that is designed to actively engage students in the broad spectrum of recreation, health, fitness, and nutrition principles with a hands-on and active approach. Students will cover a variety of topics including modern recreation, fitness programs, exercise for enjoyment, training principles to increase fitness, proper lifting form, and the health related fitness principles in order to be mindful and fit throughout life. Throughout this course, students will learn how to create, develop and maintain a healthy and fit lifestyle for today and the future. Students are required to take one semester of Physical Education and one semester of Lifetime Fitness in order to complete their graduation requirements. One session of Summer Phys Ed can substitute for 1 semester. Two sessions of Summer Phys Ed completes the graduation requirement.

### **Life Skills I: Managing Teen Life**

1 Semester

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

Grades: 9, 10, 11, 12

Prerequisite: None

Elective: Life Skills I: Managing Teen Life is a course designed to help students develop skills required to be a successful teenager. These skills include but are not limited to time management & executive functioning skills, healthy friendships/relationships skills with both peers and adults, exploring various hobbies for enjoyment, study skills exploring different study methods, respectful communication in person & online, and internet & social media safety.

### **Life Skills II: Adulting**

1 Semester

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

Grades: 10, 11, 12

Prerequisite: None

Elective: Life Skills 2: Adulting is a course designed to help older high school students develop skills required to be a successful young adult. These skills include but are not limited to time management & study habits (preparing for college), healthy relationships & consent (with an added Catholicism piece), dangers of alcohol, vaping, marijuana, and other drugs & alcohol safety, respectful communication in person &

online, internet & social media safety, exploring hobbies for enjoyment, financial basics & preparing for bills, and world culture - how traveling enriches you.

# History

## World History and Geography

1 Full Year

1 Credit Hour

Grade: 10

Prerequisite: None

Modern World History and Geography examines world events from 1600 to the present with an added emphasis on geographic literacy. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence from a Catholic perspective. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

## Advance Placement World History and Geography

1 Full Year

1 Credit Hour

Grade: 10

Prerequisites:

2024-2025 – English 9 & Honors English 9 with recommendation of English Teacher.

2025 – 2026 – U.S. History & Honors U.S. with recommendation of U.S. History Teacher

### *AP Modern World History 1200 AD – Present*

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 AD to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation (AP College Board).

### *Required Fees:*

Students will be required to purchase the AMSCO Advance Placement Edition: World History: Modern 1200 – Present (Student edition softcover) As of this printing sells for \$21.95 + tax and shipping. <https://www.perfectionlearning.com/high-school/high-school-social-stud/advanced-placement-social-studies/advanced-placement-world-history-modern-r7424-g.html>

## **United States History**

1 Full Year

1 Credit Hour

Grade: 11 (For the Classes of 2026 & 2027)

Grade 9 (Starting with the Class of 2028)

Prerequisite: None

Survey of United States History from the Reconstruction Era to the present. Students will explore various events / topics / themes in United States history and their relationship to American life as it is today from a Catholic perspective.

## **Honors United States History**

1 Full Year

1 Credit Hour

Grade 9 (Class of 2028)

Honors U.S. History will provide an adjusted pacing that will allow for a deeper dive into the dynamics of U.S. History from the Reconstruction Era to the present. Students will explore various events / topics / themes in United States history and their relationship to American life as it is today from a Catholic perspective. Students will engage and practice critical thinking skills that will prepare them to succeed in Advance Placement World and AP U.S. History.

*Prerequisites:*

90 percentile or above on both reading and Language Arts on the Bishop Hartley admission test and/or other standardized test scores submitted with the application.

Demonstration of honors level writing on the Bishop Hartley admission test. The writing assessment is scored using a standard rubric. Members of both the History & English Academic Teams will read the essays, if needed to confirm the placement.

Teacher recommendation is considered, but does not guarantee placement in Honors U.S. History

*Required Fees:*

Students may be required to purchase a textbook for additional resources for minimal costs.

## **Advanced Placement United States History**

1 Full Year

1 Credit Hour

Grade: 11

Prerequisite:

See your Western Civilization teacher in regard to the application process.

The Advanced Placement History program presents a college level survey course of the important topics / themes of American History, their cause and effect, and relationship to American life today from a Catholic perspective. Students are required to take the National Advanced Placement Examination. Depending on the results of the student's examination grade, colleges may grant advanced placement and/or college credit.



## **Advanced Placement U.S. Government and Politics**

1 Full Year

1 Credit Hour

Grade: 12

Prerequisite: See U.S. History Teacher in regard to the application process.

In-depth study of the Constitution, the three branches of government and the system of checks and balances. Additional studies in the origin and function of government, state and local government, political parties and interest groups. Other subject areas such as current events, economics, geography, U.S. foreign policy, and the Catholic perspective, will be addressed. Students have the option to take the National Advanced Placement Examination. Depending on the results of the student's examination grade, colleges may grant advanced placement and/or college credit.

## **CP U.S. Government & Politics**

1 Full Year

1 Credit Hour

Grade: 12

Prerequisite: Completion of U.S. History

Survey class of the U.S. Constitution, the three branches of government and the system of checks and balances. Additional studies in the origin and function of government, state and local government, political parties and interest groups. Other subject areas such as current events, economics, geography, U.S. foreign policy, and the Catholic perspective, will be addressed.

## **Advanced Placement Psychology**

1 Full Year

1 Credit Hour

Grades: 11 & 12

Prerequisite: None

In-depth study of college level Psychology. Students have the option to take the National Advanced Placement Examination. Depending on the results of the student's examination grade, colleges may grant advanced placement and/or college credit.

# Mathematics

## Algebra I

1 Full Year

1 Credit Hour

Grades: 9

Prerequisite: 8th grade math and teacher recommendation.

Students will develop and apply skills in the following areas: the use of real numbers, linear equations, inequalities, relations, functions (linear and quadratic), polynomials, factoring, rational expressions and equations, radical expressions, and probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem solving will be emphasized in every topic.

## Honors Algebra I

1 Full Year

1 Credit Hour

Grade: 9

Prerequisite: 8th grade math and teacher recommendation.

Students will develop and apply skills in the following areas: the use of real numbers, linear equations, inequalities, relations, functions (linear and quadratic), polynomials, factoring, rational expressions and equations, radical expressions, and probability. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem solving will be emphasized in every topic with a deeper emphasis on problem solving and critical thinking within real-world applications.

## Geometry

1 Full Year

1 Credit Hour

Grades: 9, 10

Prerequisite: Algebra I and teacher recommendation.

Students will integrate arithmetic and algebra to develop and apply inductive and deductive reasoning in two and three dimensions. Students will be exposed to and trained to complete both two-column and paragraph proofs. Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem solving will be emphasized in every topic.

## **Honors Geometry**

1 Full Year

1 Credit Hour

Grades: 9, 10

Prerequisite: A in Algebra I, credit in Honors Algebra I and teacher recommendation.

Students will integrate arithmetic and algebra to develop and apply inductive and deductive reasoning in two and three dimensions. Students will be exposed to and trained to complete both two-column and paragraph proofs. Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem solving will be emphasized in every topic. This course is faster paced with a deeper emphasis on problem solving and critical thinking within real-world applications.

## **Algebra II**

1 Full Year

1 Credit Hour

Grades: 11

Prerequisite: Geometry and teacher recommendation.

Building on their work with linear and quadratic functions, students extend their repertoire of functions to include polynomial, exponential, rational and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem solving and real-world application will be applied in this class.

## **Algebra II/Trigonometry**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11

Prerequisite: Geometry and teacher recommendation.

Building on their work with linear and quadratic functions, students extend their repertoire of functions to include polynomial, exponential, rational, radical, and trigonometric functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem solving and real-world application will be applied in every topic covered in this class.

## **Honors Algebra II/Trigonometry**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11

Prerequisite: A in Honors Geometry and teacher recommendation.

Building on their work with linear and quadratic functions, students extend their repertoire of functions to include polynomial, exponential, rational, radical, and trigonometric functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Problem-solving and real-world application will be applied in every topic covered in this class. This course is faster paced with a deeper emphasis on problem solving and critical thinking within real-world applications.

## **CP Algebra and Trigonometry (CPAT)**

1 Full Year

1 Credit Hour

Grades: 12

Prerequisite: Algebra II and teacher recommendation.

CPAT is a review of essential topics in Algebra II such as linear and exponential equations, quadratic functions, logarithmic and rational equations. The course goes into greater depth in many of the areas already covered in Algebra II. As such, CPAT is not a bridge between Algebra I and Algebra II. It is a course designed only for students who have completed Algebra II but were not recommended (or chose not to) take Pre-Calculus. CPAT also covers several topics that are new to the students, including conic sections, sequences and series, and trigonometry. These new topics are also presented in Pre-Calculus, but to a much greater extent.

## **Pre-Calculus**

1 Full Year

1 Credit Hour

Grades: 10, 11, 12

Prerequisite: Algebra II /Trigonometry and teacher recommendation.

Students will continue their study of linear, quadratic, polynomial, exponential, rational, radical, and trigonometric functions and their real-world applications. Students will also be exposed to systems of equations and matrices, conic sections, and sequences and series. Problem solving will be emphasized in every topic.

### **Honors Calculus I**

1 Full Year

1 Credit Hour

Grades: 10, 11, 12

Prerequisite: Pre-Calculus or Honors Algebra II/ Trigonometry and teacher recommendation.

This is a full-year calculus course meant to provide a foundation/preparation for college level calculus courses. In addition to an extensive review of trigonometry, students will study functions, limits, continuity, derivatives, techniques of differentiation, anti-derivatives, and definite integrals.

### **Advanced Placement Calculus AB**

1 Full Year

1 Credit Hour

Grades: 10, 11, 12

Prerequisite: A in Honors Algebra II/Trigonometry or credit in Honors Calculus I, and teacher recommendation.

Students will follow the curriculum written by the College Board for AP Calculus AB. All material covered in college level differential and integral Calculus classes are studied.

### **Advanced Placement Calculus BC**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: A- in AP Calculus BC and teacher recommendation.

Students will follow the curriculum written by the College Board for AP Calculus BC. All material covered in college level differential and integral Calculus classes are studied.

### **AP Statistics**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: Algebra II/Trigonometry or Honors Algebra II/ Trigonometry and teacher recommendation.

Elective: Students will follow the curriculum written by the College Board for AP Statistics. All material covered in college level statistics classes is covered.

## **Math 1152 - Columbus State Community College Calculus 2**

1 Semester

1 Credit Hour

Grades: 11, 12

Prerequisite: Credit in AP Calculus AB.

Continue introduction to integral calculus: integration of exponential, logarithmic, trigonometric, inverse trigonometric functions, volume and surface area of solids of revolution, arc length, and methods of integration. Also includes L'Hopital's Rule and Improper Integrals. Analyze plane curves given parametrically or in polar coordinates, and their differential and integral calculus. Infinite sequences and series, and their sum and/or convergence, conic sections, vectors in the plane and in space. Applications to problems in science and engineering.

## **Statistics 1450 – Columbus State Community College**

1 Semester

1 Credit Hour

Grades: 11, 12

Prerequisite: Calculus II

This course is designed to acquaint students with statistical methods used in gathering and analyzing data. The course includes sampling methods and data classification; descriptive statistics; percentiles and z-scores; basic concepts in probability; binomial and normal probability distributions; the Central Limit Theorem; estimating population parameters; hypothesis testing; linear correlation and regression; interval estimation and hypothesis testing with two samples; and chi-square tests of independence.

# Science

## Biology

1 Full Year

1 Credit Hour

Grade: 9

Prerequisite: None

This course is an introductory science class for freshmen that teaches them the skills and habits that will help them to be successful in all future high school classes. It involves an examination of the diversity of life on earth through a combination of lectures, discussion, lab investigations, and online research. Students will explore the various types of cells, how they fight for life through membrane transport, how they manipulate and use energy, how they reproduce, how they pass on traits, how they change from generation to generation, and how they interact through natural systems in the environment.

## Honors Biology

1 Full Year

1 Credit Hour

Grade: 9

Prerequisite: Teacher recommendation and examination of standardized test scores from 8<sup>th</sup> grade

This course is an accelerated science class for freshmen that teaches them how to engage with and solve complex problems. It involves an examination of the diversity of life on earth through a combination of lectures, discussion, lab investigations, and online research. Students will explore the various types of cells, how they fight for life through membrane transport, how they manipulate and use energy, how they reproduce, how they pass on traits, how they change from generation to generation, and how they interact through natural systems in the environment.

## AP Biology

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: A- or above in Chemistry or Honors Chemistry and teacher recommendation.

This course is designed to be the equivalent of a two-semester college introductory biology course. The two main goals are to help students develop a conceptual framework for modern biology and an appreciation of science as a process. The major topics of the course are molecules and cells; heredity and evolution; and organisms and populations. Students will solve complex problems and investigate life on earth through lecture, discussions, lab investigations, online research, and collaborative group work.

## **Human Physiology**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: B or above in Biology or Honors Biology or C and above in Chemistry and teacher recommendation

An advanced course in biology with primary emphasis on the human organism. Through lecture, discussion, demonstration and laboratory experiences, students study the cell as the fundamental life unit, the transition from single cell to complex multi-cellular organism, and the anatomy and physiology of human organ systems. Detailed dissection of a representative mammal is included among the laboratory experiences.

## **Physical Science**

1 Full Year

1 Credit Hour

Grades: 10

Prerequisite: Biology

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systemic study of the world as related to chemistry, physics, and space science. The topics include: the study of matter; forces, motion, and energy; and the universe. This course is inquiry and lab-based and satisfies the Ohio Core requirement for high school graduation.

## **Chemistry**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: B or above in previous science; B or above in Geometry, Algebra II, or Algebra II/Trigonometry (may be taken concurrently).

Chemistry is a mathematical, theoretical and laboratory approach to the study of matter and energy. Students investigate matter and energy, atomic structure, periodic tables, chemical bonding, chemical reactions and stoichiometry, solutions, acids and bases, kinetics, and equilibrium.

## **Honors Chemistry**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: A in Biology or A- in Honors Biology, a minimum B in Algebra II or Honors Algebra II/Trigonometry (may be taken concurrently) and teacher recommendation.

An accelerated, in-depth, mathematical, theoretical and laboratory approach to the study of matter and energy. Students investigate matter and energy, atomic structure, the periodic table, chemical bonding, nuclear chemistry, chemical reactions and stoichiometry, solutions, acids and bases, kinetics, and equilibrium.



## **AP Chemistry**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: B+ or higher in Honors Chemistry or A- or higher in Chemistry and teacher recommendation.

AP Chemistry is an introductory college-level course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four big ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

## **Physics**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: B or above in Chemistry or B- or above in Honors Chemistry; teacher recommendation

The study of physics includes units of mechanics, heat, electricity and magnetism, wave motion, electron and nuclear theory, and electronics. Basic themes such as the conservation laws, the concept of fields, energy, force, and motion are explored in each of these units through lecture and through student laboratory experience.

## **AP Physics**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: A in Chemistry or A- in Honors Chemistry; teacher recommendation

AP Physics is an algebra-based introductory college-level course. It will cover topics that include kinematics, projectile motion, Newton's Laws, circular motion, gravitation, work & energy, momentum, electrostatics, simple harmonic motion and mechanical waves.

## **Environmental Science**

1 Full Year

1 Credit Hour

Grades: 11, 12

Prerequisite: Biology

This course is designed to advance student's understanding of key concepts, principles, and theories of earth systems, earth's resources, and the human impact on the environment, as well as the Catholic responsibility to be stewards of the environment. Students will identify connections and interactions between earth's biosphere, atmosphere, lithosphere, and hydrosphere. Students will apply knowledge from previous science courses to critically think about global environmental problems and issues.

## **Aquatic and Marine Science**

1 Full Year

1 Credit Hour

Grades: 10, 11, 12

Prerequisite: Open to students who have already completed Biology and one other science course.

In this course we explore the Earth's hydrosphere from its chemical composition to the amazing aquatic and marine life living in it. We focus exclusively on the 70% of our planet that is covered by water and introduce students to the various scientific disciplines that are dedicated to its discovery. You will learn how energy flows through aquatic and marine ecosystems, how water as a medium affects the biota that lives within it, and how to analyze aquatic and marine environmental issues using data. Whether you are an aspiring marine biologist or oceanographer, or just someone who would like to understand where their drinking water comes from, this course has something for you.

# Theology

Bishop Hartley High School is a Roman Catholic school and our Theology Program consists of three components: knowledge, liturgy, and service. Our goals are:

*To proclaim the good news of Jesus Christ to  
all  
To transform humankind into new life in Christ  
To train individuals to live consciously  
faith-filled lives as children of God.*

The program's foundational principles, which come from the National Catechetical Directory, *Sharing the Light of Faith*, are:

1. A person's human development is the key to his or her capacity to form a faith relationship and intellectually understand the implications of that relationship.
2. The four tasks of message, community, service, prayer and worship form one interlocking ministry.
3. The program draws upon the four signs of sources of catechesis – biblical, ecclesial, liturgical and natural signs.
4. The program strives to enhance the school's academic nature, and develop the spiritual, personal, social and physical development of the student.

## Theology Course of Study

Our Diocesan Theology Course of Study for grades 9, 10, 11, and 12, is outlined in the United States Conference of Catholic Bishops' documents *Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age* (2008), and *Catechetical Formation in Chaste Living* (2008).

In conjunction with this content, our classrooms incorporate *The Six Tasks of Catechesis* (as articulated in the *National Directory of Catechesis*), which provide each student with opportunities to:

1. explore and challenge his/her intellectual understanding of the Catholic faith;
2. reflect and grow in his/her spiritual development; and
3. acquire skills which can be applied to parish and community service.

The faculty and staff of Bishop Hartley share with the Theology Department the mission to proclaim Christ's message, to participate in community building, to lead people to worship and prayer, and to encourage and inspire service.

## **Theology 9**

### **Semester 1 – The Revelation of Jesus Christ in Scripture**

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible, they will come to encounter the living Word of God, Jesus Christ. In the course they will learn the history of the formation of the Bible, authored by God through inspiration, and its value to people throughout the world. They will learn to read the Bible and will become familiar with its major sections, with a particular focus on the Gospels of the New Testament.

### **Semester 2 – Who is Jesus Christ?**

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the student will also learn who He calls them to be.

## **Theology 10**

### **Semester 1 – The Mission of Jesus Christ (The Paschal Mystery)**

The purpose of this course is to enable students to understand all that God has done for us through his Son, Jesus Christ. Students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us, and students will learn that they share in this redemption only in and through Jesus Christ. They will also understand what it means to be a disciple of Christ.

### **Semester 2 – Jesus Christ's Mission Continues in the Church**

The purpose of this course is to enable the students to understand that in the sacred nature of the Church in which they encounter the living Jesus Christ, that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will know that the Church is the living Body of Christ today, with both divine and human elements.

## **Theology 11**

### **Semester 1 – Sacraments as Privileged Encounters with Jesus Christ**

The purpose of this course is to enable students to understand that they can encounter Christ today in a full and real way, in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments. This course is designed to enable the student to understand and recognize God's presence in the world and become familiar with the ways God and people communicate with one another through symbols, rituals, and prayer.

### **Semester 2 – Life in Jesus Christ**

Students learn the moral concepts and precepts that govern the lives of Christ's disciples. This course enables the student to understand the principles that form the basis of Catholic Christian Morality, such as freedom, responsibility, conscience, conscience formation, and the difference between subjective and objective morality.

### **\*Theology 11 (Christian Leadership)**

Beyond covering the core topics outlined in the USCCB framework and the basic skills of the Diocesan curricular tasks, Theology 11 (Christian Leadership) challenges students to fulfill liturgical, prayer, and service leadership roles. The course involves an inductive approach to leadership formation by empowering students to plan, execute and evaluate activities and events throughout the Hartley community through the school year. Juniors plan and lead the Freshman retreat on campus and additional opportunities to learn and serve off campus are often available.

### **Theology 12**

#### **Semester 1 - History of the Catholic Church**

The purpose of this course is to supply the students with a general knowledge of the Church's history from apostolic times to the present. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him throughout history through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both divine and human elements. In this course, students will learn about the Church's 2,000 years of history and about how the Church is led and governed by the successors of the Apostles.

#### **Semester 2 - Living as a Disciple of Jesus Christ in Society**

The purpose of this course is to introduce students to the Church's social teaching. In this course, students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

## Visual and Performing Arts

### Beginning Band

1 Semester

½ Credit Hour

Grade: 9, 10, 11

Prerequisite: None

Fee: \$10

Max Occupancy: 10 students

This course will provide students with the opportunity to learn a band instrument (excluding percussion) and read music. School-owned instruments to be offered include flute, clarinet, alto saxophone, trumpet, horn, trombone, euphonium, or tuba. This course prepares the student to be able to participate in the Bishop Hartley Band Advanced Band the following semester. Students will participate in a school concert and may have opportunities to perform with the Bishop Hartley Pep Band.

### Beginning Percussion

1 Semester

½ Credit Hour

Grade: 9, 10, 11

Prerequisite: None

Fee: \$10

Max Occupancy: 8 students

This course will provide students with the opportunity to learn percussion instruments and read music. This includes mallet instruments (marimba, xylophone, bells), snare drums, auxiliary percussion (cymbals, hand percussion, etc.), drum set and marching equipment. This course prepares students to be able to participate in the Advanced Band the following semester. Students will participate in a school concert and may have opportunities to perform with the Bishop Hartley Pep Band.

### Advanced Band

1 Full Year

1 Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None; Minimum of 1 year of instrumental band experience and/or private lessons on flute, clarinet, saxophone, trumpet, horn, trombone, euphonium, tuba, or percussion.

Fee: \$50

Max Occupancy: 35 students

Students must have their own instrument, except for tuba, euphonium, and percussion (percussion must have their own sticks, mallets, and practice pad). This course will provide the student with an opportunity to have a multi-ensemble band experience. This class performs at home football games, several basketball games, and various pep rallies.

Additionally, the band will perform a Christmas and Spring Concert. This course offers a marching band, pep band, concert band, jazz band, and chamber music experience to the student. Students are strongly encouraged to participate in the Summer Band Camp experience to be prepared for the fall marching season.

### **String Orchestra**

1 Full Year

1 Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Minimum of 1 year of instrumental orchestra experience and/or private lessons on violin, viola, cello, or bass.

Fee: \$40

Max Occupancy: 10 students

This course will provide the student with an opportunity to play in a string ensemble at Bishop Hartley. Students will perform in several concerts throughout the year, as well as other select performances. Students will perform a diverse repertoire of music, in addition to chamber music.

### **Music History**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: none

Max Occupancy: 25 students

This course will provide students with the opportunity to learn about the history of popular music in the United States. Beginning with early composed music (Beethoven, Bach, Mozart), traveling through early Gospel/Blues, Rock 'n' Roll, Disco, and eventually modern Pop/Hip-Hop. Students will be able to learn the basic elements of music, identify trends throughout popular music history, and eventually create their own "Music Label and Tour".

### **Music Technology**

1 Semester

½ Credit Hour

Grade: 9, 10, 11 12

Prerequisite: None

Fee: None

Max Occupancy: 20 students (iPads)

This course will provide students with an opportunity to learn about the technology used in music, with an emphasis on recording and production technology. Students will gain an understanding of the basic fundamentals of all music and use it to create several composition/arrangement projects throughout the semester.

## **Vocal Ensemble**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Vocal Ensemble is open to all students wishing to explore their vocal abilities in a choral setting.

Fee: none

Max Occupancy: 35 students

This course is designed to teach the fundamental skills that are required for singing in a more advanced choir (Concert Choir). Students will receive instruction and assessment in basic music theory and healthy singing skills. Basic vocal training, music reading, and choral singing concepts are taught through a variety of choral literature. Much attention is given to the fundamentals of singing, such as breathing, tone quality, vowel alignment, expression, blend, balance, and many other concepts that emphasize the correct use of the singing voice. Students will be exposed to various genres of choral music including classical, sacred, jazz, and contemporary, with difficulty ranging from basic to intermediate. Required performances include school concerts, special events, and school masses. With new music opportunities every semester, a student may enroll for more than one semester, consecutive or otherwise.

## **Concert Choir**

1 Full Year

1 Credit Hour

Grade: 10, 11, 12

Prerequisite: Vocal Ensemble and/or permission of the instructor (audition).

Fee: none

Max Occupancy: 35 students

This advanced level choir is open to those students who demonstrate sufficient musical interests, ability and knowledge. Concert Choir consistently works for improved choral sound and technique while rehearsing a challenging musical repertoire. Only students who can maintain the highest standards of musical excellence through choral performance and rehearsal are permitted to hold membership in this ensemble. Members are selected by an audition process, which takes place at the end of the previous school year. Students will be exposed to various genres of choral music including classical, sacred, jazz, and contemporary. This class is for students with self-discipline and a genuine interest in singing. The group is typically divided into a mixed choir (SAB /SATB/ SSATB) arrangement depending on enrollment. Required performances include school concerts, special events, and school masses. Some after-school rehearsals may be required. With new repertoire and music opportunities, a student may re-enroll each year.



## **Studio One**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$30

Max Occupancy: 20 students

This is an introductory course teaching the elements of art and principles of design through various media and processes. Drawing exercises will focus on observational skills including perspective and the realistic portrayal of objects. Other projects will focus on color and design theory, using a variety of media including colored pencils, markers, oil crayons and watercolor paints.

## **Digital Design**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$10

Max Occupancy: 15 students (computers)

In this course, you will learn the same principles of design and vocabulary that are taught in Studio One and Art History; however, the processes will be completely digital. Students will use Adobe Illustrator, Adobe Photoshop, and Blender, (a 3D modeling program) to demonstrate an understanding of design theory.

## **Art History**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$15

Max Occupancy: 24 students

This course examines the impact of social, technological, and cultural influences on artists' creative motivations as well as art's impact on society and cultures across the world. A basic understanding of visual composition and color theory is also presented as it is in Studio 1 and Digital Design. Classes are a combination of videos, lecture, discussion, and hands-on learning, using artists' materials from various time periods. Assignments will often include a reflection or discussion on a particular topic. Students will learn visual art vocabulary to discuss various artworks and art movements to better understand artists' motivations.

## **Studio Two**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Studio 1, Digital Design or Art History with a grade of B- or better.

Fee: \$30

Max Occupancy: 20 students

This course develops the theories of design that are taught in Studio One with a continuation of drawing, painting and 2D design assignments using a variety of materials including pencil (drawing), colored pencil, marker, oil crayon, and tempera paint (color and design). Instruction will develop student skills in visual problem solving and critical thinking. Human figure drawing and an introductory 3D project are also a part of this course.

## **Ceramics**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Studio 1, Digital Design or Art History with a grade of B- or better.

Fee: \$40

Max Occupancy: 12 students

This is a 3D studio course working with clay. Students will use both hand building and wheel throwing methods to create ceramic pieces that develop student understanding of ceramic (clay) processes and 3D design problem solving.

## **Sculpture**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Studio 1, Digital Design or Art History with a grade of B- or better.

Fee: \$40

Max Occupancy: 15 students

This is a 3D studio course using a variety of materials including paper, cardboard, foam core, wire, and clay. Students will resolve 3D construction problems related to design theory.

## Photography

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Studio 1, Digital Design or Art History with a grade of B- or better.; *\*\*Students must provide their own digital camera with a processor that is 8 Megapixels or higher and must have a manual mode.*

Fee: \$40

Max Occupancy: 15 students (computers)

This course explores both digital and darkroom photography, including the math and science integral to all photography. Students will create photos that demonstrate an understanding of photographic design theory and an understanding of technical skills with either darkroom or digital processes. Work outside the classroom is expected.

## Studio 3

1 Semester

½ Credit Hour

Grade: 10, 11, 12

Prerequisite: Studio 2 or Photography with a grade of B- or better

Fee: \$40

Max Occupancy: 20 students

This is an advanced 2D studio course for students who wish to continue developing the techniques and processes they have learned in Studio 2 or Photography to create a body of superior 2D artwork. Students will have input regarding subject matter and media. This course is for serious art makers who wish to develop their skills further after completing intermediate level courses

## 3D Design

1 Semester

½ Credit Hour

Grade: 10, 11, 12

Prerequisite: Ceramics or Sculpture with a grade of B- or better

Fee: \$40

Max Occupancy: 15 students

This course is designed for students who wish to continue developing their skills in Ceramics or Sculpture with a focus on 3D problem solving. Media may include ceramics, metal, cardboard, or digital 3D design, (Blender or Maya). This is a great course for serious sculpture or ceramic students who wish to create portfolio level work, possibly for AP or college portfolio.

## **Drawing**

1 Semester

½ Credit Hour

Grade: 10, 11, 12

Prerequisite: Studio 2 with a grade of B- or better

Fee: \$20

Max Occupancy: 20 students

This course is designed for students who wish to continue developing their drawing skills they have mastered in Studio Two. Instruction includes advanced drawing processes (mark making) and human figure drawing (anatomy). Materials may include pencil, colored pencil, marker, charcoal, etc. This is a great course for serious drawing students who wish to create portfolio level work.

## **Painting**

1 Semester

½ Credit Hour

Grade: 10, 11, 12

Prerequisite: Studio 2 with a grade of B- or better

Fee: \$40

Max Occupancy: 12 students

This is an advanced 2D studio course for students who wish to develop their skills as a painter, continuing with what they have learned in Studio 2. Materials include watercolor, acrylic and oil paints. Assignments will develop student understanding of color as well as their skills using professional artists' quality materials. This is an alternative to Studio 3 that is solely focused on painting. This is a great course for students preparing themselves for AP or creating work for a college portfolio.

## **AP2D Design**

1 Full Year

1 Credit Hour

Grade: 11, 12

Prerequisite: Studio 3, Drawing, or Painting with a grade of B- or better and permission of instructor.

Fee: \$60

Max Occupancy: 20 students

This is an intense studio experience creating a portfolio of work for possible college credit. Students dive deep into problem solving on a theme of their own choosing. The final portfolio will include written and photographic documentation of their processes as well as the final pieces of art, for review by the College Board. Successful portfolios include a body of 2D work, (painting, drawing, photography, etc.) demonstrating a sustained investigation of materials, processes, and ideas with evidence of practice, experimentation, and revision. There is a \$60 fee for this course and a \$98 testing fee from the College Board.

## **AP3D Design**

1 Full Year

1 Credit Hour

Grade: 11, 12

Prerequisite: 3D Design with a grade of B- or better and permission of instructor \*3D digital design experience may also be beneficial.

Fee: \$60

Max Occupancy: 20 students

This is an intense studio experience creating a portfolio of work for possible college credit. Students dive deep into problem solving on a theme of their own choosing. The final portfolio will include written and photographic documentation of their processes as well as the final pieces of art, for review by the College Board. Successful portfolios include a body of 3D work, (ceramics, sculpture, or digital 3D projects), demonstrating a sustained investigation of materials, processes, and ideas with evidence of practice, experimentation, and revision.

There is a \$60 fee for this course and a \$98 testing fee from the College Board.

## **AP Drawing**

1 Full Year

1 Credit Hour

Grade: 11, 12

Prerequisite: Studio 3 or Drawing, grade of B- or better & permission of instructor.

Fee: \$60

Max Occupancy: 20 students

This is an intense studio experience creating a portfolio of work for possible college credit. Students dive deep into problem solving on a theme of their own choosing. The final portfolio will include written and photographic documentation of their processes as well as the final pieces of art, for review by the College Board. Successful drawing portfolios include a body of work demonstrating a sustained investigation of materials, processes, and ideas with evidence of practice, experimentation, and revision. A variety of materials and styles are acceptable, including digital drawings. Drawings are about mark making and composition. There is a \$60 fee for this course and a \$98 testing fee from the College Board.

## **Voice & Diction**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

Max Occupancy: 12 students

This course is designed to provide techniques to increase vocal variety and expressiveness in a variety of speech situations to help students speak more comfortably, efficiently, and effectively.

Students will identify and explore the elements of speech —volume, projection, rate, resonance, pitch, inflection, and vocal quality. Students will learn the International Phonetic Alphabet (IPA) and use it to improve diction, articulation, and effective listening skills.

### **Musical Theatre**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None but, \*Jazz and Tap shoes are required

Fee: None

Max Occupancy: 12 students

This performance and research-based course introduces students to acting through song and dance, historical dance, this course introduces students and vocal techniques, along with current musical trends. Students will perform solos, duets, and group songs and dances. This course provides opportunities for collaboration, problem-solving, and development of their communication skills.

### **Introduction to Theatre**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: None

Max Occupancy: 12 students

In this performance and research-oriented course, students explore western theatre from the Ancient Greeks to Elizabethan Theatre to perform pantomimes, monologues, and short scenes. This course touches on all aspects of production: acting, designing, directing, stage managing, to fully introduce students to theatrical production. By the end of this course, students will be more comfortable performing in front of a group, working in small groups, and presenting basic research.

### **Theatre History**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: None

Fee: \$35

Max Occupancy: 20 students

This is a non-performance course introducing students to historical theatrical eras through lectures, research, and projects to discuss how past innovations have impacted current theatrical trends. By the end of this course, students will be more comfortable researching topics, working in small groups, and presenting their research. This course is ideal for students not interested in performing.

## **Acting**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Intro to Theatre, Musical Theatre or Voice & Diction

Fee: \$25

Max Occupancy: 12 students

In this performance-based class, students will analyze both short and full-length scripts for character analysis, practice healthy vocal technique, learn several methods for character development, and practice physical movement to enhance storytelling. Students will be required to present monologues, duets, and group scenes in class, and participate in providing artist-focused feedback to fellow students. By the end of this class, the student should be comfortable analyzing scripts, performing scenes for an audience, and ready to develop their vocal skills at the next level.

## **Playwriting and Screenwriting**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Intro to Theatre, Theatre History or Musical Theatre

Fee: None

Max Occupancy: 12 students

Playwriting and Screenwriting teaches students the elements of plot, character, dialogue, and staging to create short scripts for stage or screen. Students will write multiple scripts and screenplays for presentation in class and read scripts for analysis. While the class is not performance-based, students should be comfortable reading aloud to participate in each other's script readings. By the end of this class, students will have at least one strong short script that can be staged or filmed and will have the tools to write additional scripts.

## **Theatrical Design**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Intro to Theatre, Theatre History or Musical Theatre

Fee: \$45

Max Occupancy: 12 students

In this non-performance, project-based class, students will analyze scripts and explore stage management, props, costume, set, lighting, and sound design as forms of storytelling. Students will practice drawing set plans, lighting plots, sketching costumes, and building models, working on both solo and group projects. At the end of this course, students should be comfortable participating as a technical theatre designer for productions, collaborating in small groups, and presenting their ideas.

## **Advanced Acting**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Acting

Fee: \$25

Max Occupancy: 12 students

In this performance-based class, students will continue with advanced methods of script analysis, physical movement, and character development. In addition, students will explore various dialects and vocal qualities to further their character creation. Students will be required to present monologues, duets, and group scenes in class, and participate in providing artist-focused feedback to fellow students. By the end of this class, the student should be comfortable with performing multiple dialects, and using various forms of movement for character creation and development.

## **Advanced Playwriting and Screenwriting**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Playwriting and Screenwriting

Fee: None

Max Occupancy: 12 students

Students will continue developing their plot, dialogue, character, and staging skills while continuing to read and watch others' work to understand storytelling for stage/screen. While this is not a performance-based course, students should be comfortable reading aloud in class. Students will be required to meet multiple strict deadlines to succeed in this class.

## **Advanced Theatrical Design**

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Theatrical Design

Fee: \$45

Max Occupancy: 12 students

In this non-performance, project-based class, students will further develop their theatrical design skills. Students will create sound plots, lighting plots, make props, and make costumes, working on both solo and group projects. At the end of this course, students should be comfortable designing for productions in one or more areas, researching time periods, collaborating in small groups, sketching designs, and presenting their ideas.



## Directing for Stage and Screen

1 Semester

½ Credit Hour

Grade: 9, 10, 11, 12

Prerequisite: Advanced Acting, Advanced Playwriting and Screenwriting, or Advanced Theatrical Design AND permission of instructor

Fee: \$35

Max Occupancy: 12 students

Whether a student has embraced the acting, theatrical design, or writing path, Directing for Stage and Screen will take them to the role of Director. Using skills learned in their path, and collaborating with artists from other paths, students will create short productions and a full-length production as their final group project. Students will have an opportunity to direct scenes, to act in scenes, to design one or more elements, or to work on a script they wrote in Playwriting/Screenwriting. Students will explore creating stage pictures, analyzing scripts to tell the writer's story, and collaborating with a creative team.

# World Languages

**Modern Language Proficiency Model:** Students enrolled in any one of the levels of modern language classes, **French - Italian - Spanish**, must become proficient in the **Three Modes of Communication\***:

<b>Interpretive Mode</b>	Reading, listening, viewing the language; comprehension of a video , audio, or text through reading, listening to, or viewing the source.
<b>Interpersonal Mode</b>	Speaking/listening; writing/reading; interaction with others via spoken, written or signed conversations, negotiation of meaning, exchange of opinions or information.
<b>Presentational Mode</b>	Delivering information via speaking, writing, or signing in prepared or spontaneous presentations.

*\*Ohio's Learning Standards for World Languages*

For students to demonstrate proficiency with the language as well as to prepare students for college, each level of the modern language curriculum at Bishop Hartley will put the language and its culture into meaningful contexts with the six overlapping themes of **Advanced Placement** courses:

Global Challenges - Science and Technology - Contemporary Life Personal and Public Identities - Families and Communities - Beauty and Aesthetics

**Modern Language Proficiency Grading:** The cumulative grade for Novice, Intermediate, High and Advanced Levels of French, Italian, and Spanish courses are made up of the cumulative grade for each of the four skills: Reading, Writing, Speaking and Listening along with the cumulative grade earned for active classroom participation.

**Modern Language Course Credit and Placement:** At the end of the academic year, students will be placed in one of these three proficiency levels:

## Proficiency Level 1

A student will receive **one (1) credit hour and may continue to the next level of that language if, at the end of the year...**

- the student demonstrates minimum proficiency (B -, 80%) or higher in his/her current level in all five grade categories.
- no more than of the five category grades is a C (73% or higher).

## Proficiency Level 2

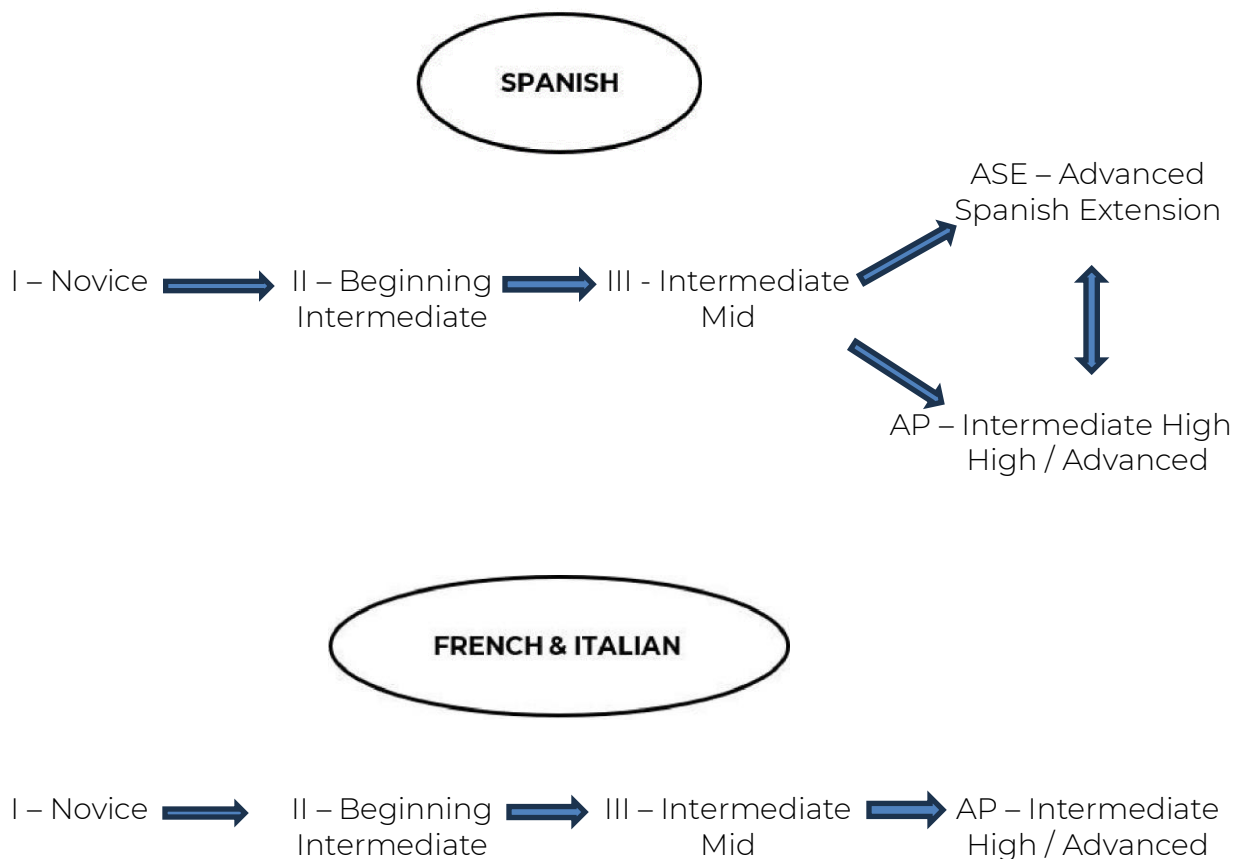
A student will only receive one (1) credit hour and may NOT continue to the next level

- if the student's cumulative grade in more than one skill is below a B- (80%).
- if a student's cumulative grade in any one category is below a C (73%).

## Proficiency Level 3

A student will fail the course (will not earn one (1) credit hour and may not continue to the next level) if the overall course score is an F (below 65%).

## Modern World Language Courses (Spanish, French, and Italian)



### **Novice (I)**

#### **French, Italian, or Spanish**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8<sup>th</sup> grade);

In this course the student will learn the basic concepts of the language with emphasis on proficiency in each of the four language skills: listening, speaking, reading, and writing. There is also great emphasis on learning about countries and the culture of the peoples that speak the target language. This course requires daily work outside of class for written exercises, pronunciation practice, memorizing vocabulary, learning the language structure and/or preparing for quizzes or tests.

### **Beginning Intermediate (II)**

#### **French, Italian, or Spanish**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average of above-average reading and language arts skills (8<sup>th</sup> grade); Placement Testing – Students must demonstrate minimum proficiency (B-) in the four language skills of Reading, Writing, Speaking and Listening; Teacher Recommendation required

This course continues the objectives of the Novice level I: proficiency in the four language skills of listening, speaking, reading, and writing, plus emphasis on the cultural aspects of the target language's countries and its peoples. The course begins with a review of the Novice level and continues with new grammar structures, especially verb tenses. There is also extensive work in vocabulary. Pronunciation and oral work are stressed in class. Reading with understanding and written composition are also emphasized. This course requires daily work outside of class for written exercises, pronunciation practice, memorizing vocabulary, learning language structure and/or preparing for quizzes and tests.

### **Intermediate Mid (III)**

#### **French, Italian, or Spanish**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8<sup>th</sup> grade); Placement Testing - Students must demonstrate minimum proficiency (B-) in the four language skills of Reading, Writing, Speaking and Listening; Teacher Recommendation required.

At the Intermediate-Mid level, the emphasis is on fluency in conversation and the sharpening of listening skills. Reading skills will be emphasized through an introduction to authentic literature in short stories and texts. Frequent short compositions will improve writing skills. The target language will be used extensively in class. A variety of activities will be used in order that students achieve proficiency in speaking, listening, reading, and

writing skills. Further understanding of the target language's culture will be emphasized. As in previous courses, this course requires daily work outside of class for written and oral assignments and for preparation for class as well as for tests and quizzes.

### **AP Intermediate High/Advanced (AP)**

#### **French, Italian, or Spanish**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8<sup>th</sup> grade); Placement Testing – students must demonstrate minimum proficiency (B-) in the four language skills of Reading, Writing, Speaking and Listening; Teacher Recommendation required

AP French, Italian, Spanish Language and Culture course is designed to promote proficiency in the target language and to enable students to explore culture in contemporary and historical contexts. Students will be practicing specific test-taking skills to aid in taking the AP test. This course **focuses on communication and encourages cultural awareness** while developing skills and abilities in the Interpersonal, Interpretive and Presentational modes of communication.

Taken and adapted from the AP College Board, <https://ap.collegeboard.org/>

The AP Spanish and Advanced Spanish Extension courses are considered equal in "level" but have different content focuses. After successful completion of Spanish III -- or after being placed by course instructors beyond the Spanish III level -- students may choose whether to take one, the other, or both courses. **Because students have the opportunity to choose between these courses, students who elect to take the AP Spanish Language and Culture course are expected to register for and take the AP Exam.**

### **Advanced Spanish Extension Course (ASE)**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8<sup>th</sup> grade); Placement Testing - Students must demonstrate minimum proficiency (B-) in the four language skills of Reading, Writing, Speaking and Listening; Teacher Recommendation required.

This course does not prepare students for the Advanced Placement exam by College Board. It does, however, continue to develop students' language skills while exploring a variety of complex cultural themes, including Catholic social justice teachings in connection to current and historical events. This class requires students to demonstrate proficiency in the four basic skills of listening, speaking, reading, and writing at a high level. Strong emphasis is placed on fluency of conversation. Composition is also stressed. Special emphasis will be placed on developing extended written and spoken responses to prompts in the form of journals, essays, informative posters, presentations, and debates.

Advanced grammar acquired in previous courses will be practiced extensively as new skills are added to students' repertoires. The AP Spanish and Advanced Spanish Extension courses are considered equal in "level" but have different content focuses. After successful completion of Spanish III -- or after being placed by course instructors beyond the Spanish III

level -- students may choose whether to take one, the other, or both courses. **Because** students have the opportunity to choose between these courses, students who elect to take the AP Spanish Language and Culture course are expected to register for and take the AP Exam.

**Classical Latin Proficiency Model:** Students enrolled in any one of the levels of **Latin** must become proficient in **Two Modes of Communication\***:

**Interpretive Mode**            reading and listening for understanding.

**Presentational Mode**        writing and speaking as part of the language learning process.

*\*Ohio's Learning Standards for World Languages*

**Classical Latin Proficiency Grading:** The cumulative grade for the Novice, Intermediate, and Advanced Levels of Latin courses are made up of the cumulative grade for both Reading/Listening and Writing/Speaking skills along with the cumulative grade earned for active classroom participation and course effort. These are calculated in the following manner:

**Classical Latin Course Credit and Placement:**

**Proficiency Level 1**

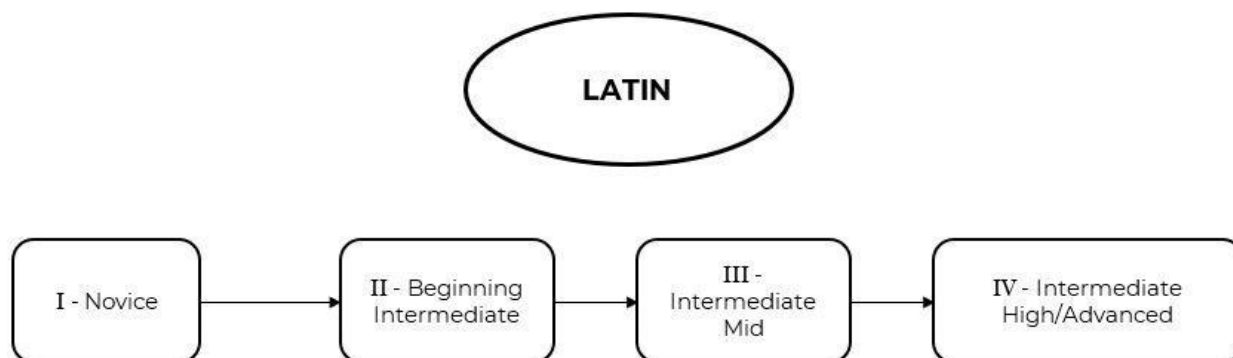
- At the end of the academic year, a student will receive one (1) credit and may continue to the next level of Latin
  - if the student demonstrates minimum proficiency (B-, 80) at his/her current registered level in both modes, Interpretive (reading and listening) and Presentational (writing and speaking) and
  - if the student demonstrates above average active classroom participation A- (90 or above).

**Proficiency Level 2**

- A student will **only receive one (1) credit and may NOT continue to the next level** if the student's cumulative grade in more than one mode is below a B- (80)

**Proficiency Level 3**

- A student will **fail the course (will not earn 1 credit and may not continue to the next level)** if cumulative grades in either of the two modes are a D or an F.



### **Novice Latin (I)**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8th grade); Placement Testing - Students must demonstrate minimum proficiency (B-) in both language skills of Reading/Listening and Writing/Speaking; Teacher Recommendation required.

Novice Latin students learn the basic grammar forms and vocabulary of the Latin language. Emphasis is placed on learning declensions, conjugations, and reading Verse- Latin, Classical Greek and Roman culture and history.

### **Beginning Intermediate Latin (II)**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8th grade); Placement Testing - Students must demonstrate minimum proficiency (B-) in both language modes, Interpretive: Reading/Listening and Presentational: Writing/Speaking; Teacher Recommendation required.

Latin I forms are reviewed. More advanced complex grammar and verse-Latin are presented. The Histories of Livy and The Gallic War of Julius Caesar are read. Classical Greek and Roman culture and history are also studied.

### **Intermediate Mid Latin (III)**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Students must demonstrate minimum proficiency (B-) in both language modes from the previous course, Interpretive: Reading/Listening and Presentational: Writing/Speaking; Teacher Recommendation required.

Latin II forms are reviewed. Continued work in advanced complex grammar and verse- Latin are learned. Classic Roman writers are studied. Students will explore classical Greek and Roman culture and history.

### **Intermediate High/Advanced Latin (IV)**

1 Full Year

1 Credit Hour

Grades: 9, 10, 11, 12

Prerequisite: Average or above-average reading and language arts skills (8th grade); Placement Testing - Students must demonstrate minimum proficiency (B-) in both language modes, Interpretive: Reading/Listening and Presentational: Writing/Speaking; Teacher Recommendation required.

Latin III forms are reviewed. Students will read advanced classical history and literature written by the giants of Roman letters. In addition, students will read and listen to poetry written in Latin as they continue to study ancient culture and history.