



ACADEMIC CATALOG
2025-2026

The mission of Christian Brothers High School is to provide young men a college-preparatory education in the Catholic and Lasallian traditions. Thus, we welcome, encourage, and support religious, ethnic, and economic diversity, and we acknowledge the importance of service to the poor as we prepare students to become responsible men in the global community.

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While exploring the CBHS Course Catalogue, please keep in mind the following:

- Pay particular attention to prerequisites for each course.
- It is important to have backup plans in case there is insufficient interest in a particular course, in which case it may not be offered.
- Another reason to have backup plans is in case a course you choose conflicts with another course on your schedule (e.g. both courses were only offered during the same period).
- Remember, you can always reach out to your counselor if you have questions.

BUSINESS

Course work within the Business department is designed to attain the following goals:

- To provide a holistic business perspective to students that will encourage and prepare them to become successful contributors in the local, regional, and global business community.
- To offer a progressive track of business classes to promote a deeper understanding of the opportunities that are available in colleges and universities and for potential lifelong careers.
- To help students understand the theoretical aspect of accounting and preparing financial statements.
- To help students interpret practical rules applicable to business transactions and to help them explore the business world.
- To help students acquire effective leadership and communication skills, key to becoming competent in the business world.

COURSE TITLE: Internship

COURSE #: 001

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: Open to Juniors and Seniors with a GPA of 3.0 or higher. Approval of Dean of Academics and on-site mentor/supervisor.

DESCRIPTION:

The internship program allows students to gain real-world experience in the field of their concentration. The area of their concentration could be business, engineering, medicine, or fine arts. The internship program is competitive. Prospective interns are highly motivated and mature students who are expected to identify site options and site coordinators. Prospective interns will apply and interview with the supervisor at the internship site as if they were applying for a position.

COURSE TITLE: Economics

COURSE #: 056

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 9-12 PREREQUISITES: None

DESCRIPTION:

Students in Economics will have the opportunity to learn about the structure, function, principles, basic concepts, and problems of the American economy. The study of scarcity, opportunity cost, and the fundamental economic problem will form the conceptual framework for an analysis of the factors of production, economic systems, supply and demand, forms of business organization, market structures, and market failure. Special emphasis will be given to the role of government in our economy. Students will learn about the use of monetary and fiscal policies to bring about economic stability, international trade, and the role of the United States in the global economy, and economic problems facing our nation today. Students will also study current events and analyze their impact within the business world.

COURSE TITLE: Sports/Data Analytics

COURSE #: 071

COURSE LENGTH: Semester (.5 credits)

GRADE LEVEL: 11, 12

PREREQUISITES: None

DESCRIPTION:

This class will discuss the theory, development, and application of analytics in sports. Students will learn the application of analytics in sports for purpose of in-game strategy, player performance, team management, sports operations, and fantasy competitions among many other topics.

COURSE TITLE: Human Resource Management

COURSE #: 072

COURSE LENGTH: Semester (.5 credits)

GRADE LEVEL: 11, 12

PREREQUISITES: None

DESCRIPTION:

This class is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefit programs as well as workplace safety, employee-management relations, and the impact of global events on human resources management.

COURSE TITLE: International Business

COURSE #: 073

COURSE LENGTH: Semester (.5 credit)

GRADE LEVELS: 11, 12

PREREQUISITES: None

DESCRIPTION: International business concerns all the commercial transactions that take place between two or more countries. The best modes of operation in an international context may not be the same as those of the purely domestic business environment. International business involves activities such as exporting and importing, dealing with foreign governments, cultures and regulations, as well as domestic regulations affecting those firms who seek to do business outside their home country.

COURSE TITLE: Principles of Business

COURSE #: 075

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 10, 11, 12

PREREQUISITES: None

DESCRIPTION:

This class is designed for students who may be interested in exploring the possibility of pursuing a career in business. The class focuses on the economic and social foundations of business and the various types of business ownership. It is also intended to build a solid foundation of establishing business principles and practices that form the groundwork for all business practices.

COURSE TITLE: Business Leadership

COURSE #:076

COURSE LENGTH: Semester (.5 credit)

GRADE LEVELS:10, 11, 12

PREREQUISITES: Economics

DESCRIPTION:

This course deals with the most important asset of a business—employees—and covers how to hire, pay, train, appraise, promote, and retain workers while organizations undergo mild and major changes. The growing importance of this class deals with the inclusion of creative new human resource management methods that are used successfully in Fortune 500 firms. We will examine the classic functions of a leader including planning, organizing, implementing, and controlling. The class will show vital activities in a new and unique way to emphasize the modern role and responsibilities of leaders. Making and implementing decisions are included as is psychology that enables leaders to lead empowered workers in a growing world of work teams. This course also reflects what today's leaders need to know and apply in a challenging and volatile business world.

COURSE TITLE: Sports Marketing

COURSE #: 059

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 10

PREREQUISITES: None

DESCRIPTION:

This specialized marketing course explores facility design, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities in the sports and entertainment industry. The curriculum focuses on the features concepts and activities in sports and entertainment. Information on featured teams and entertainment organizations and their products and services. Students will learn to promote sports, teams, and entertainment events.

COURSE TITLE: Business Technology I
COURSE #: 065
COURSE LENGTH: Semester (.5 credits)
PREREQUISITES: None

GRADE LEVELS: 9, 10, 11,12 DESCRIPTION:

This course explores computer concepts and information technology used in business organizations including MS Office software applications Word and PowerPoint. Includes introduction to hardware, software, databases, file management, internet, and email as tools for communication and collaboration.

COURSE TITLE: Business Technology II
COURSE #: 066
COURSE LENGTH: Semester (.5 credits)
PREREQUISITES: None

GRADE LEVELS: 9, 10, 11, 12 DESCRIPTION:

This course explores computer concepts and information technology used in business organizations including MS Office software applications with a specific emphasis on using Excel Spreadsheets in a business setting.

COURSE TITLE: New Venture Creation
COURSE #: 070

COURSE LENGTH: Semester (.5 credits) GRADE LEVELS: 11, 12 PREREQUISITES: None

DESCRIPTION:

This course assists students in the development of skills needed to run an effective organization within a community, including leadership styles and interpersonal communication. This course is designed to introduce the process of turning an idea into a successful business as students explore the potential of being a successful entrepreneur. The student will use entrepreneurial discovery processes, assess opportunities for venture creation, and develop presentation skills to convince others of the potential success to implement the business entity. Students develop and apply skills in teamwork, conflict resolution, communication, and group problem solving.

COURSE TITLE: Accounting I (Possible to take as Dual Enrollment)

COURSE #: 051

COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 11, 12 PREREQUISITES: None

DESCRIPTION:

Financial Accounting emphasizes basic accounting principles used to prepare, analyze, and interpret financial statements; these include income statements, balance sheets, equity statements, and cash flow statements. The course will survey all the various reporting information by investors and creditors for decision making. Students will learn to account for different types of taxation and understand how to meet payroll. By the end of the year, everyone will be able to record all a corporation's financial transactions for one month's time.

COURSE TITLE: Honors Accounting II (Possible to take as Dual Enrollment)

COURSE #: 052

COURSE LENGTH: Full Year 1 credit

PREREQUISITIE: Accounting I and Teacher Approval

COURSE

DESCRIPTION: This course deals with detailed record keeping and the theoretical aspects of accounting. The last part of the course moves into the analysis of financial records and statements to determine the financial condition of a sample corporation.

COURSE TITLE: Personal Finance

COURSE #: 063

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 10, 11, 12 PREREQUISITES: None

DESCRIPTION:

Students will study topics ranging from personal budgets, credit cards, checking and savings accounts, housing, insurance and retirement, stock market, investing and taxes. The aim of this course is to educate the student in the many aspects of managing one's own personal finances ranging from opening a bank account to retirement. The project-based course will expose students to the process of making major financial decisions such as the purchase of a house or car, paying taxes, managing your personal budget, and choosing careers. The goal of this course is to help students gain practical knowledge so they can make educated decisions in the future in the areas of spending, saving, borrowing, and investing.

COURSE TITLE: AP Macroeconomics
COURSE #: 061
COURSE LENGTH: Spring Semester (.5 credits)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: Economics Minimum GPA – 3.5
DESCRIPTION:

AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

COURSE TITLE: AP Microeconomics
COURSE #: 062
COURSE LENGTH: Fall Semester (.5 credits)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: Economics and teacher approval Minimum GPA – 3.5
DESCRIPTION:

AP Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

COURSE TITLE: Supply Chain/Logistics
COURSE #: 080
COURSE LENGTH: Semester (.5 credits) PREREQUISITES: Economics
GRADE LEVELS: 9, 10, 11, 12
DESCRIPTION:

Supply Chain/Logistics explores sourcing raw materials and components required by companies to manufacture their products. This course will cover transportation, warehousing and inventory, and logistics network design.

COURSE TITLE: Business Communication
COURSE #: 083
COURSE LENGTH: Semester (.5 credits)
GRADE LEVELS: 11, 12
PREREQUISITES: None
DESCRIPTION:

This course develops the job-ready writing and communication skills that today's colleges and employers demand. The course assists students in developing the professional and communication skills that others seek, including writing, speaking, critical thinking, and teamwork. The course offers insight into a labor market that is more competitive and dependent on technology. Timely advice guides students through building their brand, writing a winning resume, and interviewing.

COURSE TITLE: Stock Portfolio Management
COURSE #: 085
COURSE LENGTH: Semester (.5 credits)
GRADE LEVELS: 11, 12
PREREQUISITES: Economics and Personal Finance
DESCRIPTION:

Stock Portfolio Management provides students with a comprehensive understanding of financial markets, investment strategies, and the principles behind successful stock portfolio management. Through a combination of theoretical concepts and practical applications, students will develop the skills necessary to make informed investment decisions and build a diversified stock portfolio.

EDUCATION

Courses offered in this area are designed to support students with skills that translate across our curriculum. With a focus on practical applications and hands-on experience, these courses create opportunities for students to create, explore, collaborate, and even experience failures in a constructive manner. From test-prep to life skills to study habits, Education electives offer practice and refinement of foundational skills and position students to maximize their abilities in core courses.

COURSE TITLE: Life Skills

COURSE #: 910

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: None

DESCRIPTION:

This semester-long class focuses on basic life skills. Students will learn basic cooking skills including grilling with both gas and charcoal grills. We will cover common laundry tasks: such as doing laundry, simple sewing tasks like repairing a tear, hemming, iron on patches and replacing buttons. We will also cover stain removal and ironing. Additionally, students will learn basic car maintenance skills including checking tire pressure, changing a tire, checking oil, changing head lights or replacing bulbs, as well as filling washer fluid, and jumping off a battery. (There is a \$75 course fee.)

COURSE TITLE: ACT Prep Course

COURSE #: 920

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: Only seniors allowed in Fall Semester, Juniors may take it in Spring Semester

DESCRIPTION:

The ACT Prep Course ensures students will become more confident of their ability with various concepts and relationships of the four areas tested by the ACT (Mathematics; Science; English; and Reading). Students will learn how to think systematically and use the precise logic required for solving typical problems found on the ACT exam. Active involvement in and successful completion of the course should lead the student to greater confidence and higher scores on the ACT exam.

COURSE TITLE: Teaching Apprenticeship

COURSE #: 999

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: Teacher Approval

DESCRIPTION:

This course is designed to help students considering the field of education as a career. Those students can apply to "teach" with a current CBHS teacher in a subject in which they are interested in teaching. Those students will develop lesson plans and present them to the teacher. Once approved, that student will teach a lesson every two weeks. The intern will also serve as tutor for the students in that class.

ENGLISH

The English Department of Christian Brothers High School aims to give its students an understanding of and an appreciation for the English language, and an adequate competency in its use. This is to be accomplished by the study of language, composition, and literature. The department also strives to help each young man become more involved in reading and become more effective in his approach to his studies.

Objectives in the Study of LANGUAGE:

- That the student may understand the structure of the language functionally taught through traditional grammar
- That the student knows and understands the different levels of usage, formal, standard, substandard, and acquire the linguistic sensitivity to select language appropriate to various occasions

Objectives in the Study of COMPOSITION:

- That the student learns to write creditable expository writing through well-planned, well-motivated writing assignments, including smooth, clear, effective sentences, paragraphs, and themes
- That imaginative composition and creative writing is important and should be encouraged. Expository writing, however, is the principal objective and is a challenge to any creative writer
- That in-class writing assignments either as themes and/or discussion tests be periodically given to the students in order that they may learn how to write under pressure

Objectives in the Study of LITERATURE:

- That through exposure to a wide variety of genres, periods, and voices, the student develops an appreciation for all kinds of literature
- That the student becomes aware of the human values depicted in literature and this awareness leads to greater respect and understanding of human differences
- That the student obtains a knowledge of literary techniques which will enable him to understand better what he reads and that he acquires some background for literary criticism

COURSE TITLE: Honors English I

COURSE #: 211

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: Placement determined by Placement test scores and previous teacher's recommendation.

CORE TEXTS: Julius Caesar, The Red Badge of Courage, To Kill a Mockingbird, Once and Future King (2 of 4), A Christmas Carol, The Unvanquished

DESCRIPTION:

This intensive course challenges students with an accelerated study of grammar followed by an in-depth study of genres of literature and key literary elements (including plot, character, setting, point of view, symbolism, irony, and theme).

- Minimum of 10 compositions (paragraphs and essays).
- Continued study of vocabulary with emphasis on denotative and connotative range of meanings.
- Outside reading program.

COURSE TITLE: English I

COURSE #: 212

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: Placement determined by Placement test scores and previous teacher's recommendation. CORE TEXTS: Julius Caesar, The Red Badge of Courage, To Kill a Mockingbird

DESCRIPTION:

In addition to a study of vocabulary skills, students review grammar and usage during the first semester, followed by a study of the various genres of literature, with focus on JULIUS CAESAR. Emphasis on paragraph writing and outside reading.

- The primary objective of the ninth-grade English class will focus on turning every student into a proficient writer. The class will delve deeply into the writing process and study every step from sentence structure and tense agreement to the editing process and final drafts.
- Each student will study various styles of writing and gain experience in personal narrative, reflections, expository, persuasive, opinion based, analytical, research, and creative writing.
- The literature portion of the course will focus on four novels, one play, assorted articles, poetry, and short stories.
- The study of vocabulary and grammar will be conducted through class-created lists and focused grammar lessons respectively and will be drilled to strengthen and improve each student's written skill set.

COURSE TITLE: English I

COURSE #: 219

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: Placement-based on Placement test scores and incoming freshman English summer school teacher recommendation

CORE TEXTS: Julius Caesar, The Red Badge of Courage, To Kill a Mockingbird

DESCRIPTION:

This entry-level freshman course is designed for a student who needs remedial work with English. While the material covered is the same as for class 212, there is more teacher-guided instruction and attention to the material with which a student in 212 should already be fluent.

- The study of literature includes short stories with attention to plot, character, theme, and setting. Reading strategies include asking questions while reading, drawing conclusions, and making predictions. Poetry includes the reading of narrative and lyrical poems with focus on tone, symbol, imagery, and figurative language. The reading of poetry will stress using the senses to help determine the setting of the work and trying to make inferences about the poet and what is being said about the topic of the poem. The study of drama covers the elements of drama as portrayed in a one-act play, a longer dramatic selection, and Julius Caesar. Special attention will be given to using stage directions and contextual aids to help in the understanding of the action of the play. The study of non-fiction includes narrative, biographical, and autobiographical essays. Emphasis in this genre includes identifying the author's attitude toward the topic and finding the writer's main points and support.
- Grammar covers the parts of speech, parts of sentence, phrases, and clauses. The study of usage covers subject-verb and pronoun-antecedent agreement, as well as using verbs, pronouns, and modifiers correctly. The study of mechanics covers capital letters and punctuation.
- Vocabulary study consists of fifteen units each comprised of twenty words with various exercises to develop knowledge of the words in the units, along with several review sets of exercises.
- Lessons on composition include the writing of at least ten paragraphs with emphasis on, but not limited to, supporting with examples, persuasion, and narrative styles.

COURSE TITLE: English II

COURSE #: 229

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Successful Completion of English I

CORE TEXTS: The Adventures of Huckleberry Finn, Our Town, Catcher in the Rye DESCRIPTION:

This course provides an overview of the chronological growth and development of American literature, step-by-step development of writing skills, introduction to research, and development of vocabulary skills.

- Continued study of formal grammar with emphasis on composition.
- Students write a minimum of 12 papers (across a range of forms and styles).
- Outside Reading program (minimum of one work per quarter).

COURSE TITLE: English II

COURSE #: 222

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Successful Completion of English I

CORE TEXTS: The Adventures of Huckleberry Finn, Our Town, Catcher in the Rye DESCRIPTION:

Class goals in American Literature are to read, appreciate, and analyze selected works by American authors to broaden and deepen our own experiences of this country. The selections chosen for this class provide a vivid portrait of the unique and varied culture that is America. These selections will trace the changes in attitudes, ideas, and styles that have occurred in our culture over the past several centuries. Lastly, these works of literature represent some of the finest writing American authors have produced.

- A minimum requirement of 12 compositions, familiarizing students with expository, persuasive, and creative writing, provides a firm foundation for English II students to excel as writers. A researched based essay is a core component of this course requiring students to interact with academic databases and use MLA formatting properly.

COURSE TITLE: Honors English II

COURSE #: 221

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: English I / Instructor Recommendation

CORE TEXTS: The Adventures of Huckleberry Finn, Our Town, The Catcher in the Rye DESCRIPTION:

Class goals in Honors American Literature are to read, appreciate, and analyze selected works by American authors to broaden and deepen our own experiences of this country. The selections chosen for this class provide a vivid portrait of the unique and varied culture that is America. These selections will trace the changes in attitudes, ideas, and styles that have occurred in our culture over the past several centuries. Lastly, these works of literature represent some of the finest writing American authors have produced. Honors students are challenged to articulate the many ways written texts mediate cultural desires and anxieties.

- A minimum requirement of 12 compositions, familiarizing students with expository, persuasive, and creative writing, provides a firm foundation for English II students to excel as writers. A researched-based essay is a core component of this course requiring students to interact with academic databases and use MLA formatting properly.

COURSE TITLE: English III

COURSE #: 239

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: English II / Instructor Recommendation

CORE TEXTS: Beowulf, Macbeth

DESCRIPTION:

The English III course at Christian Brothers High School affords students an introduction to British literature in a chronological format focusing on the development of language and literature in its historical context. Throughout the course, a growing awareness of literary and poetic terms will enable students to speak and write coherently and persuasively about the works they study.

- Students will read and analyze texts on their own and participate in class discussions as well as participate in close reading exercises as a class to hone their comprehension skills.
- Ongoing vocabulary/etymology study and outside reading are part of the course as is a review of grammatical concepts as they relate to composition.
- A minimum requirement of 14 compositions, familiarizing students with expository, persuasive, and creative writing, provides a firm foundation for English III students to excel as writers. A researched based essay is a core component of this course requiring students to interact with academic databases and use MLA formatting properly.

COURSE TITLE: English III

COURSE #: 232

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: English II

CORE TEXTS: Beowulf, Macbeth, 1984

DESCRIPTION:

The English III course at Christian Brothers High School affords students the opportunity to study British literature in a chronological format focusing on the development of language and literature in its historical context. Throughout the course, a growing awareness of literary and poetic terms will enable students to speak and write precisely and persuasively about the works they study.

- Students will read and analyze texts on their own and participate in class discussions as well as participate in close reading exercises as a class to hone their comprehension skills.
- Ongoing vocabulary/etymology study and outside reading are part of the course as is a review of grammatical concepts as they relate to composition.
- A minimum requirement of 14 compositions, familiarizing students with expository, persuasive, and creative writing, provides a firm foundation for English III students to excel as writers. A research based, theme essay is a core component of this course requiring students to interact with academic databases and use MLA formatting properly.

COURSE TITLE: Honors English III

COURSE #: 231

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: English II / Instructor Recommendation CORE TEXTS: Beowulf, Macbeth, 1984

DESCRIPTION:

The Honors English III course at Christian Brothers High School affords students the opportunity to study British literature in a chronological format focusing on the development of language and literature in its historical context.

- Emphasis is placed on close reading of texts and analysis of literary techniques. Students will be urged to go beyond the literal reading of texts to develop a greater appreciation of the tools authors and poets commonly used to create meaning. Throughout the course, a growing awareness of literary and poetic terms will enable students to speak and write precisely and persuasively about the works they study.
- The Honors English III course will rely heavily on a seminar approach to explore assigned texts. Students will share in the responsibility of shedding light on the works and be expected to participate actively in discussions.
- Ongoing vocabulary/etymology study and outside reading are part of the course as is a review of grammatical concepts as they relate to composition.
- A minimum requirement of 14 compositions, familiarizing students with expository, persuasive, and creative writing, provides a firm foundation for Honors English III students to excel as writers. A research based, theme essay is a core component of this course requiring students to interact with academic databases and use MLA formatting properly.

COURSE TITLE: AP English Language and Composition

COURSE #: 234

COURSE LENGTH: Year-Long (1 credit)

PREREQUISITES: English II/Teacher Recommendation GRADE LEVELS: 11

DESCRIPTION:

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

COURSE TITLE: English IV

COURSE #: 249

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: Successful Completion of English I, II, & III

CORE TEXTS: Hamlet, Oedipus the King, Death of Salesman DESCRIPTION:

This course explores World Literature as organized into four central themes: Nature, Truth and Justice, Identity, Death and Eternity. Each theme has poetry, a short story, a play and a novel. Plays covered include Othello, Death of a Salesman, Hamlet and Oedipus Rex. Eight outside reading books are taken, one from the summer.

- Six hundred vocabulary words from the literature are studied.
- Twenty themes are written.
- Grammar exercises based on common student errors in themes in writing are assigned.
- Summer Reading requirement (2 works).

COURSE TITLE: English IV

COURSE #: 242

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: Successful Completion of English I, II, & III

CORE TEXTS: Hamlet, Oedipus the King, Death of Salesman DESCRIPTION:

English IV is a survey course covering World Literature, from the Middle East, Europe, Africa, and North America. Students will explore the subject via myth and genre, exploring short stories, drama, and poetry. Through classroom discussion and individual analysis, students will become familiar with the major themes, writers, and works of these genres.

- Student writing skills will be developed through the completion of 16 essays, allowing for a broad range of expository and creative writing assignments.
- Vocabulary development is a continued focus of the course as well. Finally, through the outside reading program, students are exposed to a wide variety of novels, with the goal of developing lifelong readers.
- Summer Reading requirement (2 works).

COURSE TITLE: Honors English IV

COURSE #: 244

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: English III / Instructor Recommendation

CORE TEXTS: Hamlet, Oedipus the King, Death of Salesman, The Glass Menagerie, Cold Mountain

DESCRIPTION:

The Honors English IV course at Christian Brothers High School affords student the opportunity to explore major themes in World Literature in a wide variety of genres and across historical contexts. Emphasis is placed on close reading of critical passages and analysis of literary techniques. Students will be urged to go beyond the literal reading of texts to develop a greater appreciation of the tools authors and poets commonly use to create meaning. Throughout the course, a growing awareness of literary and poetic terms will enable students to speak and write precisely and persuasively about the works they study.

- The Honors English IV course will rely heavily on a seminar approach to explore assigned texts. Students will share in the responsibility of shedding light on the works and be expected to participate actively in discussions.
- Ongoing vocabulary study and outside reading are part of the course as is a review of grammatical concepts as they relate to composition.
- A minimum requirement of 16 compositions, familiarizing students with both expository and creative writing, provides a firm foundation for Honors English IV students to excel as undergraduate writers.
- Summer Reading requirements (3 works)
- (Approximately \$30 to cover paperback or eBook editions of supplementary reading.)

COURSE TITLE: Advanced Placement Literature and Composition

COURSE #: 241

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: English III / Instructor Recommendation

CORE TEXTS: Hamlet, Oedipus the King, Antigone, Inferno, Crime and Punishment, All the Pretty Horses, Metamorphosis, In Cold Blood, Life of Pi, Death of a Salesman

DESCRIPTION:

The Advanced Placement Course in English Literature and Composition challenges students with an in-depth analysis of literature by genre, focusing on the short story, poetry, novel, and drama. In each phase students engage texts from a wide range of historical, cultural, and political arenas. All phases require much reading and in-depth analytical themes, often involving research. AP English students read both broadly and deeply—at least ten major works are covered as well as a wealth of shorter fiction and poetry.

- Emphasis is placed on close reading of critical passages and analysis of literary technique. Students must go beyond the literal reading of texts and develop a greater appreciation of the tools authors and poets commonly use to create meaning. Throughout the course, a growing awareness of literary and poetic terms will enable students to speak and write precisely and persuasively about the works they study.
- Targeted practice for the AP exam is provided in each quarter with sample multiple-choice questions and essay prompts covering prose and verse. A complete practice exam is provided in the fourth quarter prior to the actual test.
- Ongoing vocabulary study and outside reading requirements are tailored to the AP student. Grammatical, rhetorical, and stylistic concepts are covered as they relate to composition.
- A minimum requirement of 20 compositions, familiarizing students with both expository and creative writing, provides a firm foundation for AP English students to excel as undergraduate writers. Some writing assignments are timed.
- Summer Reading requirements (4 works)
- (Approximately \$150 to cover the cost of AP Literature exam as well as paperback, or eBook, editions of assigned supplementary reading)

COURSE TITLE: Honors Advanced Research Topics

COURSE #: 245

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 12

PREREQUISITES: Teacher Approval

DESCRIPTION:

Honors Advanced Research Topics is an independent study which allows students to research any literary or historical topic the desire. The independent study is supervised by either English department personnel or History department personnel depending on the topic researched.

COURSE TITLE: Directed Studies I
COURSE #: 214
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9
PREREQUISITES: None

DESCRIPTION:

Students will be assessed for current reading skills. Results will be used to place each student in a curriculum designed to improve his reading skills in fiction and non-fiction. The course includes development of high school study skills

COURSE TITLE: Directed Studies II
COURSE #: 224
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 10
PREREQUISITES: None

DESCRIPTION:

Focus is on further development of high school study skills. English teachers and Directed Studies II teachers will collaborate to facilitate application of study skills to assignments in English.

FINE ARTS

The Department of Fine Arts at CBHS hosts a diverse and enriched selection of in-school courses and out-of-school ensembles and opportunities for all students, regardless of previous experience or proficiency in any given area: vocal, instrumental, theatrical, and visually artistic. The Fine Arts faculty are exceptionally competent in their crafts but are also highly passionate about the educational and developmental aspects of the lives of students. Students who pursue any type of fine art, from those just stepping into a given area to those who have much experience, find their lives more enriched, their school day more fulfilling, and their high school experience more personal and memorable. The goal of each Fine Arts teacher is to help all of our students experience the arts in such a way that our students walk away incredibly proud of their accomplishments and part of a family of fellow artists who appreciate their talent and work.

Performing and Visual Arts programs connect student learning in the arts to a wide spectrum of academic and social activities. Research shows that what students learn in the arts helps them master other subjects, such as reading and math. Students who participate in the arts often improve their achievement in other realms of learning. Students with high arts involvement perform better on standardized achievement tests than students with low arts involvement. Moreover, students involved in the arts watch fewer hours of TV, participate in more community service, report less boredom in school, and have high marks in critical thinking. Performing groups create a sense of community in the students different than that which is normally achieved in the classroom setting. Visual arts classes help broaden conceptual thinking, communication skills, cooperative decisions, and increase observations and interpretation skills. Groups of students must work together every day and hold each other accountable for their performance level.

THEATRICAL AND VOCAL PERFORMANCE

COURSE TITLE: Acting I
COURSE #: 361
COURSE LENGTH: Semester (.5 credits)
GRADE LEVELS: 10-12 PREREQUISITES: None

DESCRIPTION:

This is a course for students possessing a desire to dynamically learn about the art and technique of acting. Students will gain a foundational understanding of key terminology such as action, (scene) analysis, as-if, beat, beat change, character, given circumstances, living in the moment, physical activity, through-action, obstacle, and objective, as well as be introduced to vocal and physical techniques that will serve as aids not only in the theatre, but in the empowerment their everyday lives. Time will be used efficiently to ensure the optimal growth of each individual student. Through well-structured mental and physical training, influenced by the work of Anne Bogart, Rudolf Laban, Cecily Berry, Konstantin Stanislavsky, and more, students will gain a basic understanding of what acting is in its simplest and truest nature and how to apply its tools both to the classroom and their daily lives.

This course is a blended environment of acting, performance, lecture, in-the-field camera exploration, scripting, and video editing. Students will be assessed using a variety of forms ranging from quantitative assessments (tests, homework, quizzes) and qualitative assessments (acting, performance, scripting, creation, filming, and editing).

COURSE TITLE: Acting II
COURSE #: 362
COURSE LENGTH: Semester (.5 credits)
GRADE LEVELS: 10-12
PREREQUISITES: Acting I, or teacher's approval.

DESCRIPTION:

This is a course for students possessing a desire to dynamically learn about the varying methodologies of the technique and art of acting as it is generally practiced throughout western culture. Students will continue in the foundational practicum of acting techniques acquired in Acting I. Time will be used efficiently to ensure the optimal growth of each individual student. Through well-structured mental and physical training, influenced by the work of Konstantin Stanislavsky, Richard Boleslavsky, Stella Adler, Lee Strasberg, Uta Hagen, Sanford Meisner and more, students will gain a basic understanding of what acting is in its simplest and truest nature and how to apply its tools both to the classroom and their daily lives.

This course is a blended environment of acting, performance, lecture, in-the-field camera exploration, scripting, and video editing. Students will be assessed using a variety of forms ranging from quantitative assessments (tests, homework, quizzes) and qualitative assessments (acting, performance, scripting, creation, filming, and editing).

COURSE TITLE: Performance Art in Litigation (Mock Trial)
COURSE #: 367
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVEL: 11, 12
PREREQUISITES: None

DESCRIPTION:

This is a performance class that blends the skills of acting, rhetoric, and legal strategy to prepare students for the world of legal drama. Students will focus on the theatrical aspects of legal advocacy, exploring the use of voice, body language, and stage presence to effectively argue a case, command attention and influence a jury. This course encourages students to approach litigation not just as a legal process, but as an art form where performance, storytelling, and persuasion are keys to success. Students will also develop skills in legal research and case development.

COURSE TITLE: Vocal Performance I
COURSE #: 381
COURSE LENGTH: Year-Long (1 Credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: None

COURSE DESCRIPTION:

Vocal Performance invites students to discover, learn, and perform a variety of musical traditions from different cultures, with an emphasis on developing both technical vocal skills and artistic expression. Students will study and perform songs from genres including traditional Choral music, Gospel music, Jazz music, Folk music, R&B and Soul music to name a few. Students must be approved by the instructor.

COURSE TITLE: Honors Theater Production I
COURSE #: 397
COURSE LENGTH: Fall Semester (.5 credits)
GRADE LEVELS: 11 or 12
PREREQUISITES: Teacher Approval

DESCRIPTION:

This course is designed to help students to learn the nuances of Stage productions. Topics include lighting, sound, set design and fabrication and costuming. Course members are required to actively participate in the spring theater productions.

COURSE TITLE: Honors Theater Production II
COURSE #: 398
COURSE LENGTH: Spring Semester (.5 credits)
GRADE LEVELS: 11 or 12
PREREQUISITES: Teacher Approval

DESCRIPTION:

This course is designed to help students to learn the nuances of Stage productions. Topics include lighting, sound, set design and fabrication and costuming. Course members are required to actively participate in the spring theater productions.

STUDIO & VISUAL ART

COURSE TITLE: Photography I

COURSE #: 354

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9, 10, 11, 12 PREREQUISITES: None

DESCRIPTION:

This is a basic course in photography designed to offer experiences with a point-and-shoot camera. Various camera settings will be learned to offer greater creative and technical control. This course builds the foundation for visual literacy regarding both form and content of photographic images. The elements and principles of design as they relate to photographic composition are emphasized. Students learn framing within the viewfinder and explore various compositional principles.

COURSE TITLE: Art Studio I

COURSE #: 358

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9, 10, 11, 12 PREREQUISITES: None

DESCRIPTION:

This foundational course introduces students to creative concepts through progressive skill development. The elements and principles of art are presented as students are guided to produce original artworks in a variety of media – both two-dimensional traditional and digital as well as three-dimensional instruction. Art history and critique are introduced at this level.

The course is designed to:

- Provide students with understanding and the ability to use the elements and principles of art.
- Explore and learn to use art media, techniques, and processes to communicate context, ideas and themes.
- Develop an understanding of the relationship among art forms, and between their work and the work of others
- Develop a broad understanding of the meaning and impact of visual arts and the visual world.
- Increase an individual's ability to think critically about concrete and abstract concepts.

COURSE TITLE: Art Studio II

COURSE #: 359

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10, 11, 12

PREREQUISITES: Completion of Art Studio I and recommendation of instructor.

DESCRIPTION:

Art II is designed for students who have successfully completed Art I and demonstrated an understanding of the foundations. Art II students are encouraged to refine and add to skills learned. Building upon their strengths, students are to develop personal style and expression at this level. Critical thinking skills are encouraged with more complex creative challenges, research, and criticism of visual art. Students will exhibit artwork and will assemble portfolios that reflect personal growth and demonstrate successful completion of Art II student learning experiences. Students are expected to:

- Use a variety of media, techniques, processes, and tools to create original, complex compositions that reflect personal growth.
- Solve visual problems in a variety of media.
- Communicate ideas through their work and critique.
- Explore and learn to use additional art media, techniques and processes to communicate context, ideas and themes.
- Demonstrate an understanding of the relationship among art forms, and between their work and the work of others
- Increase their ability to think critically about concrete and abstract concepts.

COURSE TITLE: AP Studio Art

COURSE #: 358

COURSE LENGTH: Year-Long (1 Credit)

GRADE LEVELS: 11, 12

PREREQUISITES: Teacher Approval

DESCRIPTION:

The AP Studio Art Program consists of three different courses: 2-D Design, 3-D Design, and Drawing. You will work toward a submission of a portfolio exam for ONE of the two courses. Whichever one you choose, your goal will be to create a portfolio of college-level work and, at the end of the school year, submit it for evaluation instead of taking a written exam. A qualifying portfolio score can earn a college credit and/or advanced placement. In the winter through spring, you will upload digital images of your work online along with your commentary/documentation that describes your journey while you created your amazing work. In building the portfolio, you will experience a variety of concepts, techniques, art mediums, and approaches designed to help you demonstrate your abilities as well as your versatility with specific techniques, problem solving, and ideas. You will develop a body of work for the Sustained Investigation section of the portfolio that investigates an inquiry of personal interest to you.

COURSE TITLE: Digital Film Production
COURSE #: 375
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 10, 11, 12
PREREQUISITES: Teacher Approval

DESCRIPTION:

Digital Film Production is a practical exploration of creating multi-media productions. Students will develop work using the tools and techniques of television, film, radio, and video production; conceptualizing ideas, script writing, producing, acting, directing, editing, and marketing. This course is a blended environment of acting, performance, lecture, in-the-field camera exploration, scripting, and video editing. Students will work collaboratively and solo on original film projects.

COURSE TITLE: Media Arts (Visual and Graphic Art Production)
COURSE #: 399
COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 10, 11, 12

DESCRIPTION:

Students learn to use digital tools along with their artistic skills to work with page layouts, photographs, illustrations, web page design, animations, illustrations, and other outputs. A digital portfolio can be developed because of computer graphic technology classes.

INSTRUMENTAL PERFORMANCE

COURSE TITLE: Developmental Band I (Beginner and Intermediate Band)
COURSE #: 301
COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 9, 10, 11 PREREQUISITES: None

DESCRIPTION:

The Developmental Band courses are designed to develop a student's abilities on a band instrument in preparation for acceptance into the Christian Brothers Honors Band. Students are given a band instrument and practice alone and rehearse in groups until proficiency is met as determined by the band director. The course is designed to begin or improve students' ability on a particular band instrument for acceptance into the Christian Brothers Honor Band.

Resources: A band instrument selected from the following as available: Flute, Oboe, Clarinet, Saxophone, Bassoon, Trumpet, French Horn, Trombone, Baritone/Euphonium, Tuba, Percussion (Mallet, Tympani, Snare), String Bass.

COURSE TITLE: Honors Band I, II, III, IV
COURSE #: 312, 322, 331, 341
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9, 10, 11, 12
PREREQUISITES: Proficiency on one of the following instruments: Flute, Oboe, Clarinet, Saxophone, Bassoon, Trumpet, French Horn, Trombone, Baritone/Euphonium, Tuba, Percussion (Mallet, Tympani, Snare), String Bass

DESCRIPTION:

The Honors Band is the "Oldest High School Band in America" founded in 1872. The band meets in the last period of the day and performs concerts, concert festivals, and at athletic events. Honor Band students are required to meet once after school a week for their sectional time and maintain one 30 min. lesson once a week after school with a private instructor. The course is designed to:

- Provide music and entertainment for school and civic functions.
- Teach students the art of music through performance.
- Assist in providing scholarships to college in music and band.

Resources: Resources included a band instrument, postings on Haiku including a calendar of practices, performances and assignments, band music from the Christian Brothers Band Library, a lyre and flip folder, reeds, oils, mutes, and other band supplies.

COURSE TITLE: Advanced Ensemble I
COURSE #: 313
COURSE LENGTH: Year-Long (1 credit)
PREREQUISITES: Enrolled in Honors Band I

DESCRIPTION:

This course is taken in conjunction with Honors Level Band for students who wish to participate in the Historical Band or Jazz Band. The musical focus of this course will be on music composed in the mid 1800's and well as early and contemporary Jazz works.

COURSE TITLE: Advanced Ensemble II

COURSE #: 323

COURSE LENGTH: Year-Long (1 credit)

PREREQUISITES: Enrolled in Honors Band II

DESCRIPTION:

This course is taken in conjunction with Honors Level Band for students who wish to participate in the Historical Band or Jazz Band. The musical focus of this course will be on music composed in the mid 1800's and well as early and contemporary Jazz works.

COURSE TITLE: Advanced Ensemble III

COURSE #: 333

COURSE LENGTH: Year-Long (1 credit)

PREREQUISITES: Enrolled in Honors Band III

DESCRIPTION:

This course is taken in conjunction with Honors Level Band for students who wish to participate in the Historical Band or Jazz Band. The musical focus of this course will be on music composed in the mid 1800's as well as early and contemporary Jazz works

COURSE TITLE: Advanced Ensemble IV

COURSE #: 343

COURSE LENGTH: Year-Long (1 credit)

PREREQUISITES: Enrolled in Honors Band IV

DESCRIPTION:

This course is taken in conjunction with Honors Level Band for students who wish to participate in the Historical Band or Jazz Band. The musical focus of this course will be on music composed in the mid 1800's and well as early and contemporary Jazz works.

FOREIGN LANGUAGE

Language and communication are both vital to the growth of our students. We must help our students become linguistically skilled and culturally aware to communicate successfully in a diverse American and global society. All students who are able should develop and maintain proficiency in at least one other language, modern or classical. Christian Brother High School offers four years of either Latin, French or Spanish. In all our language classes, students learn by using the target language. In modern language classes, students work every day to master written and oral expression and comprehension, as well as to increase awareness of cultural topics and current events. In Latin, students apply grammatical analysis to translate and interpret classical Latin text and learn to draw parallels between ancient and modern culture.

FRENCH

COURSE TITLE: French I

COURSE #: 412

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: None

DESCRIPTION:

An introduction to French and francophone culture, students in French I learn where French is spoken in the world as well how to talk about their everyday lives in French. Students learn to ask questions, write in the present tense, and the near future. They are also introduced to the past tense. Students discover and celebrate French holidays, while comparing them as well as daily life to life at home. French I requires no introduction.

COURSE TITLE: Honors French II

COURSE #: 422H

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Successful Completion of French I

DESCRIPTION:

Designed both for those who plan to take French III and IV, this course stresses a broad range of vocabulary and advanced grammatical constructions. Students should expect longer reading assignments with a focus on strategies for comprehension.

COURSE TITLE: French II
COURSE #: 429
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 10
PREREQUISITES: Successful Completion of French I

DESCRIPTION:

Designed for those students who will take only two years of French. Classroom activities continue to focus on communicative activities. Reading and writing activities focus on real-world situations and cultural topics.

COURSE TITLE: Honors French III
COURSE #: 432
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 11
PREREQUISITES: Successful Completion of French II

DESCRIPTION:

Students use more complex grammar and vocabulary in oral production. Accuracy in written work is emphasized. College text focuses on history and culture of French speaking countries. Class discussions are in French. Can be taken for Dual Enrollment Credit. (There is an \$85 course fee.)

COURSE TITLE: Honors French IV
COURSE #: 442
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 12
PREREQUISITES: Successful Completion of French III

DESCRIPTION:

College text has literary selections and short films in French. Writing assignments are more frequent. Students present reports on topics they have researched. Some preparation for college placement tests. Can be taken for Dual Enrollment Credit. (There is an \$85 course fee.)

COURSE TITLE: AP French
COURSE #: 446
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 12
PREREQUISITES: Recommendation of French Teacher

DESCRIPTION:

AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Can be taken for Dual Enrollment Credit.

LATIN

COURSE TITLE: Latin I
COURSE #: 413
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9
PREREQUISITES: None

DESCRIPTION:

In Latin I students acquire basic translation and grammatical skills, as well as an overview of daily Roman life, through reading passages of increasing complexity. Inflections, vocabulary, and English derivatives are memorized out of class.

COURSE TITLE: Honors Latin II
COURSE #: 423H
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 10
PREREQUISITES: Average of 90 or better in Latin 1 – 413 and teacher's recommendation.

DESCRIPTION:

Latin II is a continuation of Latin I with increased emphasis on a student's ability to translate Latin into English through intensive word analysis. Inflections, vocabulary, and English derivatives are memorized out of class. This course is a faster paced and more intensive class geared to prepare students for Honors Latin III and finally AP Latin.

COURSE TITLE: Latin II
COURSE #: 428
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 10
PREREQUISITES: Successful completion of Latin 1 - 413

DESCRIPTION:

Latin II is a continuation of Latin I with increased emphasis on a student's ability to translate Latin into English through intensive word analysis. Inflections, vocabulary, and English derivatives are memorized out of class. This is a terminal level of Latin for students seeking only two years of a foreign language.

COURSE TITLE: Honors Latin III
COURSE #: 435
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 11
PREREQUISITES: Successful completion of Latin II – 423 with a 90 average or better

DESCRIPTION:

Latin III Honors focuses on the translation and interpretation of Classical Latin texts. The nature of this course assumes a mastery of basic Latin grammar and syntax. Can be taken for Dual Enrollment Credit.

COURSE TITLE: AP Latin
COURSE #: 444
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 12
PREREQUISITES: Successful completion of Latin III – 435 with a 90 average or better and instructor permission.

DESCRIPTION:

AP Latin focuses on the poetry of Vergil's Aeneid and the prose of Caesar's Gallic War. Students will write numerous critical analyses of the Latin texts, explore cultural and historical topics that shed light on the authors' point of view. Can be taken for Dual Enrollment Credit. (There is an AP testing fee.)

SPANISH

COURSE TITLE: Spanish Heritage and Language I
COURSE #: 401
COURSE LENGTH: Year-Long (1 credit)
PREREQUISITES: Teacher Placement
GRADE LEVELS: 9, 10, 11, 12

DESCRIPTION:

Heritage Spanish is for students who have had little or no formal education in Spanish language but do have a connection to the Spanish language through their family or home lives. Students may be comfortable and familiar with the language despite not having had any formal education around how to use it. Heritage Spanish students will have the opportunity to take AP Spanish Language and potentially earn college credit as well as perhaps taking AP Spanish Literature.

COURSE TITLE: Spanish Heritage and Language II
COURSE #: 402
COURSE LENGTH: Year-Long (1 credit)
PREREQUISITES: Teacher Placement
GRADE LEVELS: 9, 10, 11, 12

DESCRIPTION:

Heritage Spanish is for students who have had little or no formal education in Spanish language but do have a connection to the Spanish language through their family or home lives. Students may be comfortable and familiar with the language despite not having had any formal education around how to use it. Heritage Spanish students will have the opportunity to take AP Spanish Language and potentially earn college credit as well as perhaps taking AP Spanish Literature.

COURSE TITLE: Spanish Heritage and Language IV

COURSE #: 404

COURSE LENGTH: Year-Long (1 credit)

PREREQUISITES: Teacher Placement

GRADE LEVELS: 9, 10, 11, 12

DESCRIPTION:

Heritage Spanish is for students who have had little or no formal education in Spanish language but do have a connection to the Spanish language through their family or home lives. Students may be comfortable and familiar with the language despite not having had any formal education around how to use it. Heritage Spanish students will have the opportunity to take AP Spanish Language and potentially earn college credit as well as perhaps taking AP Spanish Literature.

COURSE TITLE: Spanish I

COURSE #: 411

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: None

DESCRIPTION:

Designed both for those who have experience as well as first-time Spanish students. Students will develop skills in reading, writing, listening, and speaking in real-world situations. Homework focuses on practice and preparation. Classroom activities are interactive and communicative. Students will grow in their knowledge of the geography and cultures in the Spanish-speaking world.

COURSE TITLE: Honors Spanish II

COURSE #: 421H

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: At least a B average in Spanish 411 and teacher's recommendation

DESCRIPTION:

Designed for students who plan to take Spanish III and IV, this course stresses a broad range of vocabulary and advanced grammatical constructions. Continues to develop skills in reading, writing, listening, and speaking in Spanish. Students should expect longer more in-depth assignments with a focus on strategies for comprehension and expression. Students will have opportunities to communicate with Spanish-speaking students via Skype. This course is a faster paced and more intensive class geared to prepare students for Honors Spanish III and finally AP Spanish.

COURSE TITLE: Spanish II

COURSE #: 427

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Successful completion of Spanish I - 411

DESCRIPTION:

Designed for students who plan to take only two years of Spanish. Students will further develop skills of listening, reading, writing, and speaking in Spanish. They will learn effective acquisition methods for vocabulary and grammar. Students will grow in their knowledge of current cultural topics in the Spanish-speaking world. Critical thinking will be demanded as students synthesize and re-deploy words and phrases. Finally, the class will encourage students to connect language study with their career ambitions. This is a terminal level of Spanish for students seeking only two years of a foreign language.

COURSE TITLE: Honors Spanish III

COURSE #: 431

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: A average earned from Spanish 421 and teacher's recommendation.

DESCRIPTION:

Students use more complex grammar and vocabulary in oral production. Accuracy in written work is emphasized. College-level curriculum focuses on history and culture of Spanish speaking countries. Class discussions are in Spanish. Can be taken for Dual Enrollment Credit. (There is an \$85 course fee.)

COURSE TITLE: Spanish I for Juniors
COURSE #: 439
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 11
PREREQUISITES: None

DESCRIPTION:

Designed both for those who have experience as well as first-time Spanish students. Students will develop basic skills in reading, writing, listening and speaking in real-world situations. Homework focuses on practice and preparation. Classroom activities are interactive and communicative. Students will grow in their knowledge of the geography and cultures in the Spanish-speaking world.

COURSE TITLE: AP Spanish
COURSE #: 445
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 12
PREREQUISITES: A average earned from Spanish 431 and teacher's recommendation.

DESCRIPTION:

Advanced Placement Spanish Language and Culture is a rigorous course designed to help students successfully prepare for the AP Spanish Language and Culture exam. This course will provide opportunities for students to demonstrate their proficiency in Spoken and Written Communication in a variety of situations in the Intermediate to Pre-Advanced range. Students will use a variety of authentic materials (resources created by and intended for native speakers) including: audio, video, non-literary texts such as newspapers and magazine articles and literary texts. Can be taken for Dual Enrollment Credit. (Course fee: \$20 for access to online text. There is an AP testing fee.)

COURSE TITLE: Spanish II for Seniors
COURSE #: 449
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 12
PREREQUISITES: Successful completion of Spanish I for Juniors – 439

DESCRIPTION:

Students will further the skills of listening, reading, writing and speaking in Spanish. They will learn effective acquisition methods for vocabulary and grammar. They will grow in their knowledge of current cultural topics in the Spanish-speaking world. Critical thinking will be demanded as students synthesize and re-deploy words and phrases. Finally, the class will encourage students to connect language study with their career ambitions.

MATHEMATICS

Courses in the Math Department are designed to:

- Enhance problem-solving skills through the study of various topics in mathematics
- Develop critical thinking skills required for solving complex problems
- Increase students' analogical ability by fostering the real-world application of skills learned in class
- Prepare students for college entrance/placement exams (ACT, SAT, etc.)
- Prepare students for the rigor of college mathematics courses

COURSE TITLE: Algebra I
COURSE #: 514
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9
PREREQUISITES: None

DESCRIPTION:

This course includes a study of the language of algebra, solving linear equations and inequalities, systems of equations and inequalities, quadratic equations, fundamental operations with monomials, polynomial and radicals, factoring, graphing different types of functions, and practical word problems. The foundation for this study is the structure of the real number system.

COURSE TITLE: Honors Algebra 1

COURSE #: 511

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: Students must have a firm understanding of Pre-Algebra. There will also be times where some skills in problem solving will be needed.

DESCRIPTION:

This class is an essential for the beginning of your high school career in math. The concepts we discuss will build up the higher-level thinking skills required for academic success in the years to come. Topics include but are not limited to using algebraic properties, simple proofs, solving algebraic equations, word problems, factoring polynomials, algebraic fraction operation, polynomial division, ratios, proportions, percentages, exponents, work and mixture problems, functions, linear equations, solving systems of linear equations, inequalities, rational/irrational numbers, and quadratic functions. The course is designed to:

- Enhance problem-solving skills through the study of various topics in mathematics
- Develop critical thinking skills required for solving complex problems
- Increase students' analogical ability by fostering the real-world application of skills learned in class
- Prepare students for college entrance/placement exams (ACT, SAT, etc.)
- Groom students for the rigor of college mathematics courses

COURSE TITLE: Algebra 1

COURSE #: 512

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: Pre-Algebra/8th grade math

DESCRIPTION:

The student will investigate the algebraic concepts that will help them become more proficient in using numerical, analytical, geometrical, and verbal skills in solving problems. Additionally, the students will develop an understanding and proficiency in the skills associated with an Algebra 1 course. Many skills will be reviewed from a basic Pre-Algebra course. Students are taught mathematical concepts that constantly build from prior mathematical studies. Students will touch on many areas of mathematics throughout the course. Some topics covered include Solving Equations, Solving Inequalities, Graphs and Functions, Linear Equations and Their Graphs, System of Equations and Inequalities, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Equations and Functions. The course is designed to:

- Enhance problem-solving skills through the study of various topics in mathematics
- Develop critical thinking skills required for solving complex problems
- Increase students' analogical ability by fostering the real-world application of skills learned in class
- Prepare students for college entrance/placement exams (ACT, SAT, etc.)
- Groom students for the rigor of college mathematics courses.

COURSE TITLE: Honors Geometry

COURSE #: 521

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9, 10

PREREQUISITES: Students must have a thorough understanding of Algebra I.

DESCRIPTION:

This course is designed to introduce the student to logical reasoning skills and a proof based mathematical system that will extend his understanding of geometry, mathematics, and the world around him. The student will accomplish this through a study of inductive and deductive reasoning, an analysis of proof and assumptions and its application to geometry. We will prove triangle congruence, properties of special quadrilaterals, and the basic area formulae leading up to the Pythagorean Theorem. We will also work with similar triangles and trigonometric functions. By studying geometry in a logical proof-based manner, the student will better understand the conclusions drawn and be better prepared to extend his own understanding of mathematics and problem solving in the future. The course is designed to:

- Enhance special reasoning skills as it related to diagrams and figures.
- Develop logical reasoning skills, drawing conclusions, and avoiding unwarranted assumptions
- Increase students' ability to read critically and find information in mathematics and other courses
- Prepare students for future mathematical proofs, in other courses
- Deepen the students understanding of the inner workings of a mathematical system

COURSE TITLE: Geometry

COURSE #: 522

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Success in the course is dependent upon a thorough understanding of Algebra 1 topics

DESCRIPTION:

The objective of this course is to provide a foundation of mathematical concepts and skills commonly known as Geometry. The student will investigate geometric concepts according to the "rule of four" (i.e. numerical, analytical, geometrical, and verbal). Additionally, the students will develop an understanding and proficiency in the skills associated with a Geometry course.

- Major topics include (1) The Basics of Geometry, (2) Reasoning and Proof, (3) Parallel and Perpendicular Lines, (4) Triangles and Congruence, (5) Relationships within Triangles, (6) Polygons and Quadrilaterals, (7) Similarity, (8) Introductory Right Triangle Trigonometry, and (9) Circles.
- In both individual and cooperative group settings, students will participate in a variety of learning activities including direct instruction, personal-investigation, and project-based learning. Periodic tests and quizzes will assess performance.
- The course is designed to:
 - Enhance problem-solving skills through the study of various topics in mathematics
 - Develop critical thinking skills required for solving complex problems
 - Increase students' analogical ability by fostering the real-world application of skills learned in class
 - Prepare students for college entrance/placement exams (ACT, SAT, etc.)
 - Groom students for the rigor of college mathematics courses

COURSE TITLE: Honors Algebra 2/Trigonometry

COURSE #: 531

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10, 11

PREREQUISITES: Success in the course is dependent upon a thorough understanding of Algebra 1 and Geometry topics.

DESCRIPTION:

The objective of this course is to provide a foundation of mathematical concepts and skills commonly known as second year algebra and trigonometry. The course provides students with the opportunity to work with functions represented in a variety of ways according to "The Rule of Four" – graphically, numerically, analytically, and verbally. Furthermore, content will emphasize connections among these representations.

- Major topics include (1) Systems of Linear Equations and Inequalities, (2) Matrices, (3) Quadratic Functions, (4) Polynomial Functions, (5) Roots and Radical Operations, (6) Exponential and Logarithmic Functions, (7) Rational Functions, (8) Right Triangle Trigonometry, (9) Trigonometric Functions and Identities, and (10) Conic Sections.
- In both individual and cooperative group settings, students will participate in a variety of learning activities including direct instruction, personal-investigation, and project-based learning. Periodic tests and quizzes will assess performance.
- The Algebra 2/Trigonometry course is completed in a 36-week school year. Approximately twenty-seven weeks are devoted to Algebra topics, and nine weeks are spent covering Trigonometry and Analytic Geometry. Students are expected to participate in class discussions and group projects.
- The course is designed to:
 - Enhance problem-solving skills through the study of various topics in mathematics
 - Develop critical thinking skills required for solving complex problems
 - Increase students' analogical ability by fostering the real-world application of skills learned in class
 - Prepare students for college entrance/placement exams (ACT, SAT, etc.)
 - Groom students for the rigor of college mathematics courses

COURSE TITLE: Algebra 2/Trigonometry

COURSE #: 532

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10, 11

PREREQUISITES: Success in the course depends upon a thorough understanding of Algebra 1 topics as well as Geometric concepts.

DESCRIPTION:

The objective of this course is to provide a foundation of mathematical concepts and skills commonly known as second year algebra and trigonometry. The course provides students with the opportunity to work with functions represented in a variety of ways according to "The Rule of Four"—graphically, numerically, analytically, and verbally. Furthermore, content will emphasize connections among these representations.

- Major topics include (1) Linear Equations, (2) Linear Systems, (3) Matrices, (4) Quadratic Functions, (5) Polynomial Functions, (6) Roots and Radical Operations, (7) Exponential and Logarithmic Functions, (8) Rational Functions, (9) Right Triangle Trigonometry, and (10) Trigonometric Functions.
- In both individual and cooperative group settings, students will participate in a variety of learning activities including direct instruction, personal-investigation, and project-based learning. Periodic tests and quizzes will assess performance.
- The Algebra 2/ Trigonometry course is completed in a 36-week school year. Approximately twenty-seven weeks are devoted to Algebra topics. Nine weeks are spent covering Trigonometry. Students are expected to participate in class discussions and group projects.
- The course is designed to:
 - Enhance problem-solving skills through the study of various topics in mathematics
 - Develop critical thinking skills required for solving complex problems
 - Increase students' analogical ability by fostering the real-world application of skills learned in class
 - Prepare students for college entrance/placement exams (ACT, SAT, etc.)
 - Groom students for the rigor of college mathematics courses

COURSE TITLE: Pre-Calculus

COURSE #: 541

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11, 12

PREREQUISITES: You must have a thorough understanding of Algebra I and II, with a working knowledge of basic Geometric and Trigonometric principles. There will also be times where some skills in problem solving will be needed. A graphing calculator is required.

DESCRIPTION:

This course is designed to build your knowledge and understanding of the Pre-Calculus concepts needed for success in college-level math courses. Topics for this study will include functions, inverse functions, graphing functions, polynomial and rational functions, complex numbers, exponential and logarithmic functions/equations/models, some trigonometric concepts/graphs, systems of equations/inequalities, matrices and matrix operations, determinants, sums/sequences.

- The course is designed to prepare students for Calculus, encourage students to investigate the concepts according to the aspects of the "rule of four" (i.e. numerical, analytical, geometrical, and verbal), broaden the students understanding of trigonometric topics, and to introduce students to concepts of discrete mathematics:
 - Identify, graph, and solve trigonometric functions and their inverses
 - Apply trigonometric identities to solve equations
 - Identify and graph relations and functions (linear, quadratic, cubic, polynomial, rational, logarithmic, exponential, and trigonometric)
 - Analyze the properties of a function including domain, range, symmetry, maximum, minimum, and average rate of change.
 - Apply transformation techniques to graph functions
 - Determine the real and complex zeros of function using graphing, factoring, and polynomial division.
 - Solve and graph exponential and logarithmic functions using log properties.
 - Use the multiplication principle of counting, combinations, and permutations to calculate probabilities.
 - Investigate arithmetic, geometric, and other sequences along with their associated series.

COURSE TITLE: Honors Calculus

COURSE #: 542

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11, 12

PREREQUISITES: Success in the course depends upon a thorough understanding of Algebra 1 and Algebra 2 topics as well as Geometric concepts.

DESCRIPTION:

- The objective of this course is to provide a foundation of mathematical concepts and skills commonly known as Differential and Integral
- Calculus. The course provides students with the opportunity to work with functions represented in a variety of ways according to "The Rule of Four"—graphically, numerically, analytically, and verbally. Furthermore, content will emphasize connections among these representations.
- Major topics include (1) Functions, Limits, and Continuity, (2) The Derivative, (3) Applications of the Derivative, (4) Integration, (5) Applications of Definite Integration, (6) Transcendental Functions, and (7) Integration Techniques.
- In both individual and cooperative group settings, students will participate in a variety of learning activities including direct instruction, personal-investigation, and project-based learning. Periodic tests and quizzes will assess performance.
- The Honors Calculus course is completed in a 36-week school year. Approximately eighteen weeks are devoted to the calculus of derivatives. Fifteen weeks are spent covering integral calculus. Three weeks are used to review the content. Students are expected to participate in class discussions and group projects.

The course is designed to:

- Enhance problem-solving skills through the study of various topics in mathematics
- Develop critical thinking skills required for solving complex problems
- Increase students' analogical ability by fostering the real-world application of skills learned in class
- Prepare students for college entrance/placement exams (ACT, SAT, etc.)
- Groom students for the rigor of college mathematics courses

COURSE TITLE: Trig/Analytical Geometry

COURSE #: 543

COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 11, 12

DESCRIPTION:

Introduction to the trig functions, solving triangles, trig identities, and trig equations. Also introduces vectors, vector equations, straight lines, and conic sections. Graphing calculator recommended (TI-83); scientific calculator required.

COURSE TITLE: AP Calculus AB

COURSE #: 544

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11, 12

PREREQUISITES: Hon. Algebra II and/or Hon. Pre-Calculus

DESCRIPTION:

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Students who are enrolled in AP Calculus AB are expected to

- Work with functions represented in multiple ways: graphical, numerical, analytical, or verbal. They should understand the connections among these representations.
- Understand the meaning of the derivative in terms of a rate of change and local linear approximation and use derivatives to solve problems.
- Understand the meaning of the definite integral as a limit of Riemann sums and as the net accumulation of change and use integrals to solve problems.
- Understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus.
- Communicate mathematics and explain solutions to problems verbally and in writing.
- Model a written Course Description of a physical situation with a function, a differential equation, or an integral.
- Use technology to solve problems, experiment, interpret results, and support conclusions.
- Determine the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.
- Develop an appreciation of calculus as a coherent body of knowledge and as a human accomplishment.

COURSE TITLE: Honors Pre-Calculus

COURSE #: 545

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11, 12

PREREQUISITES: Honors Algebra II/Trig (Algebra II/Trig with teacher recommendation)

DESCRIPTION:

This course is designed to build the students' knowledge and understanding of the pre-calculus concepts needed for success in college-level math courses. Furthermore, this course encompasses all mathematics learned to date. Topics for this study will include (but will not be limited to) analytic geometry, functions, inverse functions, graphing functions, polynomial and rational functions, complex numbers, exponential and logarithmic functions/equations/models, parametric equations, polar coordinates, trigonometric concepts/graphs, systems of equations/inequalities, matrices and matrix operations, determinants, sums/sequences, probability, mathematical induction, and limits.

- Rather than teaching the material in the traditional manner, Hon. Pre-Calculus is taught in compact and, hopefully, non-intimidating increments. The different pre-calculus concepts will be spread throughout the year and will build in complexity. By the end of the school year, the students should have a deep and meaningful understanding and mathematical fluency. All assignments and assessments will include material from the most recent lessons as well as material from earlier in the year, ensuring student retention and connection-building between the topics. The course is designed to:
 - Enhance problem-solving skills through the study of various topics in mathematics
 - Develop critical thinking skills required for solving complex problems
 - Increase students' analogical ability by fostering the real-world application of skills learned in class
 - Prepare students for college entrance/placement exams (ACT, SAT, etc.)
 - Groom students for the rigor of college mathematics courses

COURSE TITLE: Algebra 2

COURSE #: 551

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: Students must have a thorough understanding of Algebra I, with a working knowledge of basic Geometric principles. There will also be times where some skills in problem solving will be needed.

DESCRIPTION:

This course is designed to extend the student's knowledge of Algebra, Geometry, and Problem Solving. A junior level class, Algebra II completes the student's foundation of high school math and prepares the student for Trigonometry, Pre-Calculus, and/or other entry-level college math courses. Throughout the year we will discuss axioms, solving equations, functions, inequalities, systems of equations, exponents, rational/irrational numbers, real/complex numbers, quadratic equations, analytic geometry, conic sections, and logarithms. The course is designed to:

- Enhance problem-solving skills through the study of various topics in mathematics
- Develop critical thinking skills required for solving complex problems
- Increase students' analogical ability by fostering the real-world application of skills learned in class
- Prepare students for college entrance/placement exams (ACT, SAT, etc.)
- Groom students for the rigor of college mathematics courses

COURSE TITLE: AP Calculus BC

COURSE #: 555

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: AP Calculus AB (or teacher recommendation)

DESCRIPTION:

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AP Calculus AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Students who are enrolled in AP Calculus BC are expected to:

- Work with functions represented in multiple ways: graphical, numerical, analytical, or verbal. They should understand the connections among these representations.
- Understand the meaning of the derivative in terms of a rate of change and local linear approximation and use derivatives to solve problems.
- Understand the meaning of the definite integral as a limit of Riemann sums and as the net accumulation of change and use integrals to solve problems.
- Understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus.
- Communicate mathematics and explain solutions to problems verbally and in writing.
- Model a written COURSE DESCRIPTION of a physical situation with a function, a differential equation, or an integral.
- Use technology to solve problems, experiment, interpret results, and support conclusions.
- Determine the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement.

COURSE TITLE: Calculus III/Differential Equations

COURSE #: 565

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: AP Calculus BC (or teacher approval)

DESCRIPTION:

Multidimensional limits, partial derivatives, multiple integration, Lagrange Multipliers, vector functions, multiple integration in Cartesian, Cylindrical, and Spherical coordinates, Green's Theorem, Stokes' Theorem, and the Divergence Theorem are covered.

COURSE TITLE: AP Statistics

COURSE #: 563

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVEL: 11, 12

PREREQUISITES: Completion of Algebra II/Trig with minimum of B; Min. CGPA of 3.5

DESCRIPTION:

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

RELIGION & ETHICS

The mission of the Religion and Ethics Department is to provide a solid grounding in faith formation for all our students, with an emphasis on Catholic doctrine and practice for Catholic students. We are committed to taking a leading role in encouraging students and faculty to follow Jesus' biblical injunction to love one another, through both the curriculum and the service program. Everything we do is guided by the example and charism of St. John Baptist de La Salle. The Department uses the Five Core Principles of a Lasallian School as guideposts and touchstones for curriculum and planning, as well as for daily interaction with our students. Our aim is to help cultivate faith-filled adults who are dedicated to lifelong service and are committed to seeking a just world.

COURSE TITLE: Religion I: Hebrew Scripture

COURSE #: 711

COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 9

PREREQUISITES: None

DESCRIPTION:

Hebrew Scriptures studies the Catholic Old Testament in light of the Catholic Church's teaching on revelation. Students will approach the Bible using a contextualist approach and scholarly methods. Old Testament Scriptures will be considered in light of their ultimate fulfillment in the Person and Work of Jesus Christ and New Testament teaching. Biblical Teaching will be harmonized with the Catechism of the Catholic Church. Students will read a great deal of the Pentateuch, a selection of the Prophets and Wisdom literature, and several of the Historical books. The course involves nightly reading assignments, daily reading quizzes, and regular writing assignments. Students will improve their reading skills, writing ability, and understanding of biblical narratives, and hopefully grow in holiness.

COURSE TITLE: Ethics I: Hebrew Scripture

COURSE #: 712

COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 9

PREREQUISITES: None

DESCRIPTION:

This course primarily explores Hebrew Scriptures, with the aim that students will gain an understanding of its content, historical background, and contemporary methods for studying and interpreting it. Other topics will also be covered, such as adolescence, the life of John Baptist De La Salle, and a summary of some issues and perspectives concerning faith in today's world. It is hoped that, after taking the course, students will have the foundations laid for living as mature, responsible people of faith in a twenty-first century world and will be inspired in the continuing search for truth and meaning in their own lives.

COURSE TITLE: Religion II: Christian Scriptures

COURSE #: 721

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10 PREREQUISITES: None DESCRIPTION:

This course will reinforce basic knowledge of the New Testament: the central events, places, and themes of the ministries of Jesus and Paul, the historical framework of the 1st Century, and the Pauline and General Epistles that close out the New Testament. The historical, cultural, and geographical framework for Biblical events will be considered, as well as major unifying concepts of redemptive history (e.g. covenant, prophecies, types, the Kingdom of God, the Messiah), relating important backgrounds of the New Testament to the Old Testament.

- Additionally, this course focuses on the principles and methods of Biblical interpretation found in the Catechism of the Catholic Church (CH. 2 - Article 3, 101-141), leading to a better understanding of how to interpret God's word.
- Proper interpretation will connect New Testament writings, sacraments, and symbols of the Catholic Church to issues of emotional development, friendship, family, society, and the world from the context of the student's life.

COURSE TITLE: Ethics II: Christian Scriptures

COURSE #: 723

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10 PREREQUISITES: None DESCRIPTION:

Based on Christian Scriptures, Ethics II focuses on the details of Jesus' life, and understanding the relationship of Jesus with God. Emphasis is placed upon his nature and person. In addition, the course will explore the epistles of the apostle Paul and his role in the formation of the early Christian church. Emphasis is placed on the mission of the church and its relationship to the historical Christ. Additionally, an appreciation and embrace of the authenticity of one's own faith as well as an acceptance of other faith traditions will hopefully be achieved.

COURSE TITLE: Religion III: Church History/Comparative Religions

COURSE #: 731

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11 PREREQUISITES: None DESCRIPTION:

This course begins with a semester study of the history and development of the Church, from its founding in Jerusalem to its existence today. Special emphasis is placed on a Roman Catholic perspective. The second semester is devoted to a study of the history of other major world religions. The student will gain a better understanding of other faiths and thereby also a better understanding and appreciation of his own faith.

COURSE TITLE: Ethics III: Church History/Comparative Religions

COURSE #: 732

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11 PREREQUISITES: None DESCRIPTION:

This course begins with a look at the evolution of the concept of religion, and students develop a working definition of "religion." Also, students are provided a framework that facilitates an academic study of several of the world's major religions and learn methods and vocabulary that enable them to compare and contrast these religions.

- The focus of the first semester is the history of Christianity from its earliest days through the Reformation. Beginning with a review of the Acts of the Apostles, the course charts the growth of the Church and the development of its structure and doctrine, with special attention to key individuals and events. Students also examine historical context through the centuries, culminating in an examination of events leading to the Protestant Reformation and its consequences. Finally, students survey the main branches of Christianity today.
- The second semester involves a study of other major world religions, including Judaism, Islam, Hinduism, and Buddhism. Since history and culture play a significant role in the birth and development of a religion, students will look at these elements in the regions in which these religions developed.
- For most students, this course will be their first contact with religions that may be quite different from their own. Therefore, they must understand the importance of empathy, recognizing the value that these traditions have for people around the world. Ultimately, a study of the world's religions can help the students to appreciate their own religion even more, ending the year with a deeper understanding of their own faith.

COURSE TITLE: Religion IV: Justice and Morality

COURSE #: 741

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12 PREREQUISITES: None DESCRIPTION:

The goal of this class is to give each student an array of spiritual and intellectual skills that will prepare him for the challenges of college. Since every student will be confronted with varied and often conflicting worldviews, objections to orthodox Christianity, and opposing ideas of what will make us happy it is essential that students grasp the fundamentals of Catholic Christianity and the perennial debates of philosophy. The class seeks to first lay the groundwork of natural reason (logic and philosophy) to be able to understand and be critical of later concepts. From this groundwork, the class moves into the foundational themes of Catholic Social Thought. These ideas are applied to further topics of poverty, just war, life issues (abortion euthanasia, etc.), and consumerism. The student should leave the class with a full understanding of the inherent dignity of the human person as we are made in the image of God. Secondly, the class also seeks to lay some spiritual foundation for the discernment of vocation and ministry. Various strategies in discernment will be illustrated in class throughout the year. It is hoped that the prayers and ideas learned here will be there for the student to draw on after his time at CBHS.

COURSE TITLE: Ethics IV: Justice and Morality

COURSE #: 742

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12 PREREQUISITES: None DESCRIPTION:

This class will provide an overview of the tenets of Christian Social Thought and the major Christian vocations. There will be a focus on the roots of Social Ethical Thought (SET) through examining the life of Christ and His teachings. Students also will analyze the major concerns and problems confronting the modern world and American society specifically. Also, students will examine the five major vocations along with how they are lived out (often with great resistance) in our modern society.

Course Objectives:

- Understand a Christian position on moral issues in contemporary society.
- Effectively apply the 9 themes of Christian Social Ethical Thought to contemporary culture.
- Critically analyze modern culture and media from a foundation of Christian values.
- Use creativity, Christian values, and the nine themes of SET to solve real-world problems.
- Articulate and present an analysis, judgment, and possible solutions to major problems confronting society/world.
- Understand the different types of vocations and the importance of each to contemporary culture.

SCIENCE

Science is the study of the observable and the measurable. Science Department courses are aligned in a sequential fashion to provide students a logical progression of concepts throughout their 4-year high school careers; each concept explored in each course builds in a logical progression from concept to concept and from course to course. This is how all knowledge in science has been amassed. So, when we teach science today, our goal is to provide our students with that same model of discovery and logical thinking that has led us to the sum total of knowledge that we have today.

Science, in general, does not follow a central theme. The study of biology, for instance, requires an overlap into chemistry, physics, environmental science, etc. So, while the individual courses will focus on a particular discipline, there will be overlap into other science areas as well as overlap into mathematics. Math is the language of science, so we have tied each of our science courses to a specific level of math. Biology is tied to geometry, for example.

This accomplishes two things for the student. First, each science course uses specific skills from mathematics. The students need those same skills for the corresponding math level they are taking. Secondly, the science courses will move at a very similar pace to the level of the math course that the student is in. An honors level science class will move at pretty much the same pace as an honors level math class. A standard level science class will move at pretty much the same pace as a standard level math class.

No student can experience all the discoveries that have been made in science to date, but as far as possible, we should like our students to learn as much science as possible in the laboratory. The ability of students to understand the discoveries of science (and perhaps to make additional discoveries of their own someday) rests on their having real experiences themselves. Science courses here at CBHS are based on the belief that our students profit most by making their own observations and drawing their own conclusions. Discussions stem from these observations and conclusions. Moving beyond the approach of memorizing a list of facts or laws is necessary for a real understanding of science. Tests and quizzes are structured to focus on data collection and data analysis. Students sometimes struggle with this approach early on in their high school careers. But our goal is to teach our students how to think critically and logically and apply the knowledge they acquire.

BIOLOGY

COURSE TITLE: Honors Biology

COURSE #: 821

COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 9, 10

PREREQUISITES: A's or B's in Honors Physics, Honors Algebra I. This course is taken concurrently with Honors Geometry

DESCRIPTION:

This course offers a challenging honors-level biology curriculum. The key focus is on the chemistry of living things: the cell, genetics, evolution, photosynthesis and cellular respiration, and ecology. There will be advanced online lessons including extensive animations, on-line reference material, and collaborative projects and lab exercises. Class activities will research papers, hands-on laboratories, virtual laboratories, web quests and other projects. The course introduces students to in-depth topics of biology with a special emphasis on applying the knowledge to human life.

COURSE TITLE: Biology
COURSE #: 822
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 10
PREREQUISITES: Physics, Algebra I. This course is taken concurrently with Geometry

DESCRIPTION:

Biology is fascinating, constantly changing, and contains secrets for improving our world. 822 biology at CBHS provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Students will develop an understanding and appreciation of the unifying themes that integrate the major topics of biology. In this comprehensive course, students investigate the chemistry of living things: the structure and function of the cell, genetics, evolution, biological diversity, and ecology. The program offers in-depth online lessons with extensive animations, an associated on-line reference book, collaborative projects, virtual laboratories, and hands-on laboratory experiments. We want to develop each student's understanding of the cell structures that make up our tissues and organs and the relationship between human systems and other living organisms.

COURSE TITLE: Bio-Mechanical Science
COURSE #: 854
COURSE LENGTH: Year-Long (1 Credit)
GRADE LEVEL: 12
PREREQUISITE: None

DESCRIPTION:

This course introduces students to basic mechanical principles of physical activity and exercise. The structure, composition, and behavior of basic skeletal and muscular tissue, pathomechanics of injury, adaptation to load and degenerative changes associated with aging are discussed within the scope of scholarly literature.

COURSE TITLE: AP Biology
COURSE #: 848
COURSE LENGTH: Year-Long (2 credits) GRADE LEVELS: 11 or 12

PREREQUISITES: A's or B's in Honors Biology, Honors Chemistry, and Honors Algebra II/Trig. This course is typically taken concurrently with Calculus or higher level math courses. Teacher Approval after interview process.

DESCRIPTION:

The AP Biology course is equal to the 1st year college course for students majoring in Biology. This course is an in-depth study of biology, with very strong roots in biochemistry. How well the student has done in chemistry is a good indicator of how well he can handle the AP Biology course. The course involves quite extensive lab opportunities, and the lab component is a very large part of the assessment for this course. Many students struggle with this approach because they cannot merely memorize answers. In addition to the normal class meetings throughout the week, this course also meets for extra time - typically beginning at 7:30 am a couple of days each week and then we also meet several Saturday mornings throughout the school year. The curriculum is designed by the College Board and has a specific number of hours of class sessions that are required. Upon successful completion of this course, students can earn college credit based on results on the national exam at the end of the course.

COURSE TITLE: Honors Anatomy & Physiology
COURSE #: 855
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 11, 12
PREREQUISITES: Must have completed Biology and Chemistry

DESCRIPTION:

Fundamentals of Anatomy & Physiology gives students in-depth instruction in the organization, structures, and functions of the human body. Students will learn the terminology, anatomy and physiology, and pathology of each body system and how they interrelate to maintain homeostasis.

COURSE TITLE: AP Environmental Science
COURSE #: 890
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVEL: 11, 12
PREREQUISITES: Biology and Chemistry

DESCRIPTION:

This course is designed to engage students with the scientific principles, concepts, and methodologies required to understand interrelationships within the natural world. Students will identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, chemistry, and geography.

CHEMISTRY

COURSE TITLE: Honors Chemistry

COURSE #: 826

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10, 11

PREREQUISITES: A's or B's in Honors Biology and Honors Geometry. This course is taken concurrently with Honors Algebra II/Trig.

DESCRIPTION:

Advanced Sophomore level course. This course studies the physical properties and structure of matter, the kinetic-molecular theory, the phases of matter and related properties, effects of energy changes on matter, and the properties of solutions. Students will study and develop projects on the physical properties and structure of matter, advanced atomic theory; chemical bonding and nomenclature, chemical reactions; stoichiometry; the kinetic-molecular theory and behavior of gases, effects of energy changes on matter, properties of solutions and acid/base reactions. Frequent laboratory exercises and web-based assignments are an integral part of this course. Formal lab reports will be done at least once per semester.

COURSE TITLE: Chemistry

COURSE #: 832

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: Biology, Geometry. This course is taken concurrently with Algebra II/Trig

DESCRIPTION:

Junior level class on the nature of chemistry, properties of matter, experimental measurements, chemical nomenclature, atomic theory, electron configuration, chemical bonding, stoichiometry, and organic chemistry. Formal lab reports will be done at least once per semester. Students will develop projects to support deep understanding of the world of chemistry. Research reports as well as collaborative projects will augment the relationships explored in the laboratory component of this course.

COURSE TITLE: AP Chemistry

COURSE #: 841

COURSE LENGTH: Year-Long (2 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: A's or B's in Honors Chemistry, A's or B's in Honors Algebra II/Trig. This course is taken concurrently with Calculus or higher-level math. Teacher Approval with an interview process.

DESCRIPTION:

The AP Chemistry course is a rigorous advanced chemistry course equal to the introductory college level chemistry course taken by science majors. Upon successful completion of this chemistry course and achievement of a satisfactory score on the AP Chemistry Examination, students may have the opportunity to receive general chemistry credits or place out of general chemistry classes and move into more advanced science courses during their first years in college. Topics covered will include chemical reactions, solutions, properties of gases, thermochemistry, chemical bonding, acids and bases, chemical kinetics, equilibria, spontaneity, free energy, entropy, and electrochemistry.

PHYSICS

COURSE TITLE: Physics 1

COURSE #: 817

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9

PREREQUISITES: None. Taken concurrently with Honors Algebra I

DESCRIPTION:

Physics 1 is a freshman level introductory course aimed to give students the foundation block upon which the other sciences are built. The course is algebra based and covers the following topics: 1-D Kinematics, Vectors-Motion and Forces in 2-D, Newton's Three Laws of Motion, Momentum, Work, Energy, and Power, Atomic Structure and Thermal Physics, Static Electricity, Current Electricity, and Electromagnetism. Our goal is to maximize the use of the students' personal experiences in the everyday world so that they learn to see Physics as part of everything that happens around them. In this way, the students find that they can comprehend "non-easy" material.

COURSE TITLE: AP Physics

COURSE #: 840

COURSE LENGTH: Year-Long (1 Credit)

PREREQUISITES: Honors Physics and teacher approval

DESCRIPTION:

The AP Physics course is a rigorous advanced physics course equal to the introductory college level physics course taken by science majors. It is designed to develop the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying, and justifying the use of mathematical routines, designing experiments, analyzing data, and making connections across multiple topics within the course.

COURSE TITLE: Honors Physics

COURSE #: 842

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11 or 12

PREREQUISITES: Honors Chemistry and Honors Algebra II/Trig. Taken concurrently with Honors Pre-Calculus or higher-level math course

DESCRIPTION:

An in-depth course in basic mechanics including kinematics, Newton's laws, vectors and projectiles, rotational motion and gravitation, momentum, work, energy and power, the conservation of momentum, the conservation of energy and in electricity and magnetism including Coulomb's law and electrostatics, Ohm's law and DC circuits, magnetism, and electromagnetic induction. The course includes outside reading assignments and the presentation to the science department on and explanation of a recently published scientific paper from a peer reviewed journal. Familiarity with Calculus is strongly recommended. Prerequisites include a strong and thorough background in geometry, algebra, and trigonometry.

COURSE TITLE: Physics

COURSE #: 843

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11 or 12

PREREQUISITES: Chemistry and Algebra II/Trig. Taken concurrently with Pre-Calculus or higher-level math course.

DESCRIPTION:

This is a course in basic mechanics including kinematics, Newton's laws, vectors and projectiles, rotational motion and gravitation, momentum, work energy and power and electricity and magnetism including Coulomb's law and electrostatics, Ohm's law and basic DC circuits, basic magnetism, and electromagnetic induction. Strong math skills are required.

STEMM

ENGINEERING

COURSE TITLE: Introduction to Engineering Design (IED)

COURSE #: 860

COURSE LENGTH: Year-Long (1 credit) 1st year elective in the Engineering Pathway

GRADE LEVEL: 9

PREREQUISITE: None

DESCRIPTION:

Students in Introduction to Engineering Design (IED) apply engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students learn how to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation. The IED course is designed to promote the development and understanding of the principles engineers use daily in the workplace while encouraging students to think critically and find their own answers. The student will have numerous opportunities to improve reading, teamwork, and math skills, all of which are necessary for success in most endeavors in today's world. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Principles of Engineering (POE)

COURSE #: 861

COURSE LENGTH: Year-Long (1 credit) 2nd year elective in the Engineering Pathway

GRADE LEVEL: 10

PREREQUISITE: Must have passed Introduction to Engineering Design.

DESCRIPTION:

This course exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Honors Aerospace Engineering
COURSE #: 862
COURSE LENGTH: Year-Long (1 credit) 3rd year elective in Engineering Pathway
GRADE LEVEL: 11
PREREQUISITE: Must have passed Principles of Engineering.

DESCRIPTION:

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Honors Civil Engineering
COURSE #: 863
COURSE LENGTH: Year-Long (1 credit) 3rd year elective in Engineering Pathway
GRADE LEVEL: 11
PREREQUISITE: Must have passed Principles of Engineering.

DESCRIPTION:

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D design software. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Capstone Course - Honors Engineering Design and Development
COURSE #: 864
COURSE LENGTH: Year-Long (1 credit) 4th year elective in Engineering Pathway
GRADE LEVEL: 12
PREREQUISITE: Teacher approval

DESCRIPTION:

The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing EDD ready to take on any post-secondary program or career. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Honors Digital Electronic Engineering
COURSE #: 865
COURSE LENGTH: Year-Long (1 Credit)
PREREQUISITE: Principles of Engineering

DESCRIPTION:

This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry.

BIOMEDICAL

COURSE TITLE: Human Body Systems
COURSE #: 851
COURSE LENGTH: Year-Long (1 credit) 1st year elective in the Biomedical Pathway
GRADE LEVEL: 10
PREREQUISITE: None

DESCRIPTION:
Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Honors Medical Interventions

COURSE #: 852

COURSE LENGTH: Year-Long (1 credit) 2nd year elective in the Biomedical Pathway

GRADE LEVEL: 11

PREREQUISITE: Human Body Systems

DESCRIPTION:

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (There is a \$75.00 course fee for this course.)

COURSE TITLE: Honors Forensic Sciences

COURSE #: 856

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVEL: 11, 12

PREREQUISITES: Medical Interventions

DESCRIPTION:

Forensic science is the study and application of science to the investigation of criminal and civil cases in the criminal justice system. This course introduces students to the scientific method and to the use of applied science from disciplines including anthropology, biology, entomology, physics, and others to benefit the legal process and investigations. Topics include, blood patterns analysis, pathology, toxicology, forensic anthropology, DNA and serology, fingerprints, criminal profiling, ballistics, fire and explosive investigation, tool marks, and trace evidence.

COMPUTER SCIENCE

COURSE TITLE: Introduction to Computer Science

COURSE #: 870

COURSE LENGTH: Semester (.5 credits) GRADE LEVEL: 9

PREREQUISITE: None.

DESCRIPTION:

Introduction to Computer Science is a one semester, freshman course and is the first course in the Computer Science STEM program. Introduction to Computer Science is designed to be the first computer Science course for students who have not programmed. The students will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming by using the Python programming language and creating apps for mobile devices using MIT App Inventor, students will build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis.

COURSE TITLE: AP Computer Science Principles

COURSE #: 872

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVEL: 10

PREREQUISITE: Must have passed Computer Science Essentials

DESCRIPTION:

Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation.

COURSE TITLE: AP Computer Science A

COURSE #: 8731

COURSE LENGTH: Year-Long (1 Credit)

PREREQUISITE: Computer Science Principles or Principles of Engineering with teacher approval.

GRADE LEVEL: 11

DESCRIPTION:

Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. Students enrolled in this course are eligible to take the AP Computer Science A exam.

COURSE TITLE: Introduction to Python Programming

COURSE #: 874

COURSE LENGTH: Fall Semester only (.5 credits)

PREREQUISITE: Computer Science A

GRADE LEVEL: 12

DESCRIPTION:

Introduction to Programming course students may earn credit for the University of Memphis COMP 1900 CS 1: Introduction to Programming. The course delves into crucial topics that form the backbone of Python. Starting with an introduction to Python's syntax and data types, students will progress to understanding control structures and mastering loops and decision-making. The course explores fundamental data structures such as lists, tuples, and dictionaries, enabling students to efficiently manage and manipulate data. Function definition, modular programming, and file handling are covered extensively, providing learners with the skills to write organized and efficient code. The introduction to object-oriented programming (OOP) equips students with the ability to design and implement classes and objects. Practical application is emphasized through hands-on experience with libraries like NumPy and Pandas. The course concludes with a final project, allowing students to showcase their acquired skills in a real-world scenario.

COURSE TITLE: Computer Science Capstone

COURSE #: 876

COURSE LENGTH: Spring Semester only (.5 credits)

GRADE LEVEL: 12

PREREQUISITE: Introduction to Python Programming

DESCRIPTION:

Under the guidance of a faculty advisor, the capstone project gives an opportunity for CS students to apply the skills that they have learned in a real-life authentic project that solves a problem. The project may involve organizing and conducting a process to create intellectual or physical products, holding an event, improving a system, or otherwise moving towards the solution of an identified core problem. Students may choose the languages and/or technologies they will use to complete your project from the tools that they will use in this course or others if approved by the instructor.

In this curriculum-based capstone project course, students will learn Data Analytics/Data Science in the first semester and then do a project in the second semester focused on an application of computer science. The capstone project can be in Data Analytics, Software Development, Game Design, Cybersecurity, or Community CS Programs.

AVIATION

COURSE TITLE: Aviation I

COURSE #: 882

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 9, 10, 11, 12

COURSE FEES: \$200 - \$300 (Textbook, Computer based flight Software ASA Ground school Prep Testware)

PREREQUISITES: None

DESCRIPTION:

Aviation I is year one of a two-year study for becoming a private pilot. This course will expose the student to airplane systems, aerodynamic principles, the flight environment, communications, and flight information. This is academic material needed for Private Pilot Certification. It also includes labs (flight simulators) that are used to instruct the student on how to perform all the basic flight maneuvers included on the Private Pilot flight test.

COURSE TITLE: Aviation II

COURSE #: 883

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10, 11, 12

COURSE FEES: \$150 - \$200 (Computer based flight software Licenses)

PREREQUISITES: Aviation I and Teacher Recommendation

DESCRIPTION:

This course is the second part of a two-year study on becoming a private pilot. It includes meteorology for pilots, interpreting weather, airplane performance, navigation, aviation physiology, human factors, and cross-country flight. At the end of this course, the student will have been instructed in the material necessary to become a Certificated Private Pilot.

COURSE TITLE: Aviation III

COURSE #: 884

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11, 12

COURSE FEES: \$200 - \$300 (Textbook, Computer based flight software Licenses, ASA IFR Prep Testware)

PREREQUISITES: Aviation II and Teacher Recommendation

DESCRIPTION:

This course is dedicated to instrument flight, the way airline and military pilots fly in all kinds of weather. This is a necessary area of expertise for a professional aviator. The course will instruct the student in Principles of Instrument Flight, The Flight Environment, Instrument Charts and Procedures, and Instrument Approaches. At the end of this course the student will be exposed to the academics necessary for the Instrument Rating and have exposure to flight in instrument flight conditions with the use of flight simulators.

COURSE TITLE: Aviation IV

COURSE #: 885

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

COURSE FEES: \$150 - \$200 (Computer based flight software Licenses)

PREREQUISITES: Aviation III and Teacher Recommendation

DESCRIPTION:

The final year in the 4-year core aviation curriculum the bar is raised to commercial pilot standards. The student will be instructed to commercial standards, which is necessary to obtain a Commercial Pilot Certificate. This is required to work as a pilot for compensation. This study includes Advanced Systems, Advanced Aerodynamics, Commercial Flight Considerations and Commercial Maneuvers. At the end of this class the student should be well prepared to soar in flight school and above.

COURSE TITLE: DE Aerodynamics

COURSE #: 8173

COURSE LENGTH: Semester (.5 credits)

GRADE LEVEL: 11, 12

PREREQUISITE: 3.0 GPA and 19 Composite ACT, 8170 and 8171

DESCRIPTION:

This course will provide the student with a study of the physical principles of fixed wing aircraft aerodynamics, thereby fostering an appreciation of the factors affecting aircraft performance, stability, control, and special flight conditions. Topics will include aerodynamic fundamentals and terminology with emphasis on lift, weight, thrust and drag forces acting on an aircraft in flight.

SOCIAL STUDIES

The basic mission of social studies is to meet the demand for citizens who can adapt the enduring traditions and values of the United States and its democracy to meet changing circumstances. In social studies courses at CBHS, students develop a core of basic knowledge and ways of thinking drawn from many academic disciplines, learn how to analyze their own and others' opinions on important issues, and become motivated to participate in civic and community life as active, informed citizens. While active civic participation includes becoming informed about issues and voting in elections, it can take many other forms relating to the United States government, its history, its people, and just as importantly, its neighbors around the world.

The National Council for the Social Studies (NCSS), the field's primary professional organization, has adopted this formal definition: "Social studies are the integrated study of the social sciences and humanities to promote civic competence. Within the school program, social studies provide coordinated, systematic study drawing upon such disciplines as anthropology, archaeology, economics, geography, history, law, philosophy, political science, psychology, religion, and sociology, as well as appropriate content from the humanities, mathematics, and natural sciences. The primary purpose of social studies is to help young people develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world."

At its core, social studies promote knowledge of and involvement in civic affairs. And because civic issues – such as health care, crime, and foreign policy – are multidisciplinary in nature, understanding these issues requires a multidisciplinary education.

COURSE TITLE: World History
COURSE #: 916
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9
PREREQUISITES: Required for graduation
DESCRIPTION:

World History is a survey of the major cultures and civilizations which have developed in Africa, Asia, Europe, and the Americas since the dawn of civilization through the 16th century. Students are presented with a series of lectures, audio-visual supplements, and readings to acquaint them with the significant people, events, and intellectual developments of history. Specifically, students will be expected to take notes, read relevant secondary and primary source material, and work cooperatively with other students in group projects. Students will be assessed in a variety of manners including but not limited to tests, quizzes, projects, and routine homework assignments.

Course Goals:

- To create a social studies curriculum that is vertically aligned from grades 9-12.
- Department Goal Two – To provide opportunities for students to listen to/engage with outside groups pertaining to historical subjects – inviting outside speakers to talk to classes about world religion, politics, service in the military, etc.

COURSE TITLE: Honors World History
COURSE #: 914
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9
PREREQUISITES: Top 25% on High School Placement Exam
DESCRIPTION:

World History Honors is a survey of the major cultures and civilizations which have developed in Africa, Asia, Europe, and the Americas since the dawn of civilization through the 16th century. Students are presented with a series of lectures, audio-visual supplements, and readings to acquaint them with the significant people, events, and intellectual developments of history. Specifically, students will be expected to research, compare, and analyze the major cultures with respect to social, political, and economic processes. In this honors level class students will be expected to conduct independent research, engage in discussion, and present their findings in extended written assignments.

Course Goals:

- To create a social studies curriculum that is vertically aligned from grades 9-12.
- To provide opportunities for students to listen to/engage with outside groups pertaining to historical subjects – inviting outside speakers to talk to classes about world religion, politics, service in the military, etc.

COURSE TITLE: AP World History
COURSE #: 913
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVELS: 9
PREREQUISITES: Top 10% on High School Placement Exam
DESCRIPTION:

AP World History is a survey of the major cultures and civilizations which have developed in Africa, Asia, Europe, and the Americas since the dawn of civilization through to present-day. Students are presented with a series of lectures, audio-visual supplements, and readings to acquaint them with the significant people, events, and intellectual developments of history. Specifically, students will be expected to take notes, analyze relevant secondary and primary source material, and develop critical thinking skills through essays. Students will be assessed in a variety of manners including but not limited to tests, quizzes, and essays. (There is an AP Testing fee.)

Course Goals

- Provide students with a breadth of knowledge of historical events throughout world history
- Teach students the relationship of cause-and-effect and the role it has played in historical events
- Analyze historical themes have changed over time
- Develop student's critical thinking skills through analysis of primary and secondary source documents
- Introduce how to construct a proper thesis statement and write a historical essay

COURSE TITLE: AP Human Geography
COURSE #: 921
COURSE LENGTH: Year-Long (1 credit)
GRADE LEVEL: 11, 12
PREREQUISITE: Minimum GPA – 3.5
DESCRIPTION:

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction.

COURSE TITLE: AP Psychology
COURSE #: 946
COURSE LENGTH: Year-Long (1 Credit)
GRADE LEVELS: 12

PREREQUISITES: Minimum GPA 3.5, must have 94 or above in Standard US History, 90 in Honors US History, or 88 in AP US History
SPECIAL NOTE: This course will be taken on the St. Agnes Academy, taught by St. Agnes instructors. Students must provide their own transportation to St. Agnes. This course will be offered 2nd period only and students must have 3rd period lunch. The Flex-time of 3rd period will be needed to return to the CBHS campus.

COURSE DESCRIPTION:

AP Psychology offers a comprehensive, college-level introduction to the study of human behavior and mental processes. This course covers a broad range of topics, including the biological bases of behavior, sensation and perception, learning, cognition, motivation, emotion, development, personality, abnormal psychology, and social behavior. Students will examine psychological theories, research methods, and real-world applications, developing a deeper understanding of how humans think, feel, and behave. The AP Exam is mandatory for all students.

COURSE TITLE: WWII: A Fight for Humanity
COURSE #: 951

COURSE LENGTH: Semester (.5 credits)
GRADE LEVELS: 11, 12

PREREQUISITES: Have taken or currently taking US History

DESCRIPTION:

This Course delves into the complexities and profound impact of World War II, one of the most pivotal events in modern history. Through a multidisciplinary approach, students will explore the political, social, economic, and cultural dimensions of this global conflict that spanned from 1939 to 1945. This course aims to provide a comprehensive understanding of the war's causes, major battles, key personalities, and the far-reaching consequences that continue to shape the world today. Through critical analysis of primary sources, engaging discussions, and research projects, students will gain a deeper understanding of the complex historical, political, and ethical questions that emerged during this period, fostering a nuanced appreciation for the human experience amidst the global struggle for humanity's future.

COURSE TITLE: History of the Vietnam War
COURSE #: 952

COURSE LENGTH: Semester (.5 credits)
GRADE LEVELS: 11, 12

PREREQUISITES: Completion of or currently taking US History

DESCRIPTION:

This course examines various cultural, diplomatic, military, political, and social aspects of one of America's longest, most costly, and most divisive conflicts. The course emphasizes the enduring questions and the contested legacy of the war. Debates over purposes and strategies emerge through the examination of declassified government documents. The course also takes a multidisciplinary approach to the subject, exploring discourse about the war in cartoons, film, music, and literature. Emphasizing the American experience in Vietnam, the course also provides multiple international perspectives.

COURSE TITLE: Psychology
COURSE #: 960
COURSE LENGTH: Semester (.5 Credit)
GRADE LEVELS: 12
COURSE DESCRIPTION:

This course provides students with a foundational understanding of the science of human behavior and mental processes. *This course will cover key topics such as brain function, sensation and perception, learning, memory, emotion, personality, mental health, and social behavior.* Students will explore the theories, research, and real-world applications that explain how we think, feel, and act.

COURSE TITLE: Cinematography of the Civil War

COURSE #: 974

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: Completion of US History

DESCRIPTION:

The American Civil War as depicted in the Ken Burns series, The Civil War will provide the intellectual backdrop to this course. Popular films including, Glory and Gettysburg will supplement the course work and offer more opportunities for class discussion and written reflection. Students will be responsible for writing four short essays as well as weekly reflections on aspects of the presented films.

COURSE TITLE: Memphis History through Sports

COURSE #: 976

COURSE LENGTH: Semester (.5 credit)

GRADE LEVEL: 11, 12

DESCRIPTION:

This course examines the history of Memphis through the lens of sport. Historians have connected the role of athletes to the larger American narrative. In this class, students will take a grassroots approach by studying the impact of sports, particularly, the African-American Baseball team the Memphis Red Sox, the integration of the Memphis State Basketball team and Memphis Tams, Pros and Sounds, in Memphis and the Mid-South as a whole.

COURSE TITLE: Modern European History

COURSE #: 990

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Required for graduation

DESCRIPTION:

The objective of this class is to introduce the students to the study of European history from the Renaissance to the present day. The class will introduce different methods of learning and understanding history. Students will learn the patterns of history and how certain decisions made by leaders in the past are still affecting the world today. By the end of the course, students will demonstrate an understanding of the history, diversity, and commonality of the people of the nation and the world, the reality of human interdependence, the need for global cooperation, and a perspective that is multicultural. Course Goals:

- Introduce students to a new standard of reading expectations
- Research using primary sources
- Learn to write an academic paper
- Develop interest among students for potential future in historical studies
- Understand current events connectivity to historical events

COURSE TITLE: Honors Modern European History

COURSE #: 991

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: Honors or standard World History teacher and English teacher recommendations

DESCRIPTION:

The objective of this class is to introduce the students to the study of European history from the Renaissance to the present day. The class will introduce different methods of learning and understanding history. Students will learn the patterns of history and how certain decisions made by leaders in the past are still affecting the world today. By the end of the course, students will demonstrate an understanding of the history, diversity, and commonality of the people of the nation and the world, the reality of human interdependence, the need for global cooperation, and a perspective that is multicultural. Course Goals:

- Introduce students to a new standard of reading expectations
- Research using primary sources
- Learn to write an academic paper
- Develop interest among students for potential future in historical studies
- Understand current events connectivity to historical events

COURSE TITLE: AP Modern World History

COURSE #: 992

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 10

PREREQUISITES: AP or Honors World History teacher and Honors English teacher recommendations

DESCRIPTION:

This class introduces students to the study of European history from the Renaissance to the present day. The class will explore the following historical themes: intellectual, cultural, political, diplomatic, social, and economic history. By the end of the course, students will demonstrate an understanding of the history, diversity, and commonality of the people of the nation and the world, the reality of human interdependence, the need for global cooperation, and a perspective that is multicultural. (There is an AP Testing fee.) Course

Goals:

- Introduce students to a new standard of reading expectations
- Research using primary sources
- Learn to write an academic paper
- Develop interest among students for potential future in historical studies
- Understand current events connectivity to historical events

COURSE TITLE: United States History

COURSE #: 932

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: required for graduation

DESCRIPTION:

United States History is a year-long introduction to American history from colonial times to the present. Course content focuses on the major events and personalities that have created and shaped American political and cultural institutions. In addition, the course seeks to enhance students' responsibility for their studies while cultivating such essential skills as expository writing, note taking, primary document analysis, and class participation. Various student-driven projects and learning activities may be assigned at the discretion of each instructor. Course materials include reading assignments from a variety of online resources as well as digital documents provided by the instructor.

COURSE TITLE: Honors United States History

COURSE #: 933

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: Honors World and/or Honors European History. They MUST have a recommendation from their history teacher the previous year. Highly recommended, that they have taken honors English in 9th and 10th grade.

DESCRIPTION:

US History Honors course is designed to prepare you for success in a college level American history class. This class requires a more demanding level of work outside of class as compared to a standard US History class. This class covers in a survey fashion from 1607 to the present. This class will not only disseminate historical facts but expect you to analyze and synthesize historical thought on a high level. Weekly historical readings from academic journals and texts will come from the professional field of academia. You will also be required to complete a historical book review quarterly. Quizzes will be weekly throughout the term. Tests will be given at the end of each unit. You will participate in various seminars, both silent and active, where you will discuss historical conflicts and notions in detail with your classmates.

COURSE TITLE: AP United States History

COURSE #: 931

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 11

PREREQUISITES: AP Modern European History with Teacher recommendation, Honors English II with Teacher recommendation, and Reading scores on the High School Placement Test.

DESCRIPTION:

This is a comprehensive course equivalent to a college survey in American history at a four-year American university. It is a two-semester sequence, and it concludes with the students prepared to take the College Board Advanced Placement Examination, administered by Educational Testing Service in May. The course covers: political, diplomatic, economic, social, cultural, military, and intellectual history of the United States from 1492-1990. Themes of great importance are ethnic diversity, gender, environmentalism, expansionism, religion, slavery, labor, and globalization and reform movements. (There is a \$50 course fee and AP Testing fee.)

COURSE TITLE: Facing History and Ourselves

COURSE #: 973

COURSE LENGTH: Semester (.5 credits)

GRADE LEVELS: 11, 12

PREREQUISITES: World and European History

DESCRIPTION:

The FHAO elective is a one semester course that uses an interdisciplinary approach to promote the knowledge, values, and skills needed to preserve and protect democracy. The course begins with the issues of identity, moves to a consideration of history and judgment using the Holocaust as a case study, and ends with examples of positive participation. Students will also examine issues of membership throughout US History and will confront the moral questions inherent in a study not only of racism, anti-Semitism, and violence but also of courage, caring, and compassion throughout the course. By examining the events that led to the Holocaust, students will come to understand that few events in history are inevitable. They are asked to consider the choices made by individuals and groups as well as the consequences of these choices. The course helps students to make connections between the past and the present and encourages them to think of their responsibility to participate in our democracy to avoid the pitfalls of prejudice and discrimination.

COURSE TITLE: Civil Rights Movement

COURSE #: 972

COURSE LENGTH: Semester (.5 credits) GRADE LEVELS: 11, 12 PREREQUISITES: None

DESCRIPTION:

The Civil Rights Movement course covers aspects of the American Civil Rights Movement from the turn of the 20th century to the present. Over the course of the semester, students will analyze major figures, events, ideals, and organizations that have culminated in our nation's legislative and social evolution in the realm of civil rights. Students will be required to reflect their personal and historical understanding of issues through various assignments and assessments. Participants in this course will also be expected to exhibit maturity, consistently participate in class discussions, and respect the views and opinions of other members of the class.

COURSE TITLE: American Government

COURSE #: 942

COURSE LENGTH: Year-Long (1 credit) GRADE LEVELS: 11, 12 PREREQUISITES: None

DESCRIPTION:

Purpose of this course is to prepare students to be active and engaged citizens in American democracy. Course will introduce the fundamentals of American government and politics, particularly the major institutions and processes. It aims to develop skills and abilities in analyzing and evaluating issues and Public Policies in American politics.

COURSE TITLE: AP American Government

COURSE #: 944

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVELS: 12

PREREQUISITES: U.S. history teacher recommendation and minimum GPA – 3.5

DESCRIPTION:

AP Government is a two-semester, college level course offered to students who wish to be academically challenged and plan to take the AP exam in the spring. The course provides students with a comprehensive understanding and COURSE DESCRIPTION of American national government and its interactions with the American people. To achieve this goal, students will develop analytic perspective for interpreting, understanding, and explaining political events in this country. (There is an AP testing fee.)

COURSE TITLE: Current Events I

COURSE #: 943

COURSE LENGTH: Semester (.5 credits) GRADE LEVELS: 11, 12 PREREQUISITES: None

DESCRIPTION:

This one-semester fall course open to juniors and seniors is a study of the major news stories of today.

COURSE TITLE: Current Events II

COURSE #: 945

COURSE LENGTH: Semester (.5 credits) GRADE LEVELS: 11, 12 PREREQUISITES: None

DESCRIPTION:

This one semester spring course open to juniors and seniors is a study of the major news stories of today. Students may take Current Events II without taking Current Events I.

WELLNESS/PHYSICAL EDUCATION

COURSE TITLE: Wellness / Physical Education

COURSE #: 611

COURSE LENGTH: Year-Long (1 credit) or Semester (.5 credits) GRADE LEVELS: 9, 10, 11, 12

PREREQUISITES: None

DESCRIPTION:

This course seeks to help students discover their individual responsibility for achieving optimal well-being. They will be instructed in preventive measures for a healthy lifestyle that reduce health risk factors. The course equips students with skills to keep themselves healthy. Correlations between a physically active lifestyle and wellness will be discussed in-depth. Students will become actively involved in various indoor and outdoor physical activities. They will also learn how to acquire team spirit. Wellness helps students discover the values of physical exercise and related ideas for a healthier living.

COURSE TITLE: Developmental Athletic Performance

COURSE #: 640

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: None

DESCRIPTION:

Developmental Athletic Performance Program allows Christian Brothers Freshmen athletes and upperclassmen new to athletics the opportunity to develop and strengthen athletic skills through regular training throughout the school day. The program instills a proper training foundation that covers basic movement patterns and recovery principles to elicit the highest performance from each athlete on competition day. The program teaches student-athletes about their physical capabilities and how best to prepare for the demands of competition.

- The program's holistic approach includes strength and power training, speed and agility development, mental training, and teaches students to make good decisions from a physiological, nutritional, and recovery standpoint. This program teaches responsibility, strong team relationships, determination, sacrifice, dedication, and work ethic. To further track and advance athletic development, the program utilizes Teambuildr (Strength and Conditioning software) to provide wellness questionnaire checks, track progress, and send motivational messages and important updates to our athletes. In addition, athletes are tested with Free Lap Laser Technology, Just Jump Mat, and Velocity-Based Training devices to get the most from every training session. This is an ever-growing and evolving process throughout each student's four years within the Athletic Performance Program.

COURSE TITLE: Advanced Athletic Performance 1.5

COURSE #: 640

COURSE LENGTH: Year-Long (1 Credit)

GRADE LEVELS: 10, 11, 12

PREREQUISITES: Must be approved by Strength and Conditioning Staff

COURSE DESCRIPTION:

This course is designed for students with a basic understanding of fitness and lifting techniques looking to take their training to the next level. In this course, students explore more advanced training methods. This course is designed for students who want to build on their existing fitness base and push their limits in a structured and supportive setting.

COURSE TITLE: Advanced Athletic Performance I

COURSE #: 641

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: Developmental Athletic Performance or Approval by head strength/conditioning coach.

DESCRIPTION: Advanced Athletic Performance Program allows Christian Brothers athletes to continue their athletic development and strengthen athletic skills through regular training. The course instills proper training and recovery principles to elicit the highest performance from each athlete on competition day. The program teaches students about their physical capabilities and how best to prepare for the demands of competition. Students grow as athletes and reach new levels of excellence on the field of play.

COURSE TITLE: Advanced Athletic Performance II

COURSE #: 642

COURSE LENGTH: Year-Long (1 credit)

GRADE LEVEL: 9, 10, 11, 12

PREREQUISITES: Advanced Athletic Performance I or Approval by head strength/conditioning coach.

DESCRIPTION: This is a continuation of Advanced Athletic Performance I. This class is designed for experienced athletes seeking to refine their training regimen, optimize recovery, and master advanced techniques for peak performance. This course is ideal for competitive athletes who are committed to achieving peak performance and mastering the nuances of advanced athletic development.

COURSE TITLE: RefReps

COURSE #: 645

COURSE LENGTH: Semester (.5 credit)

GRADE LEVEL: 11, 12

PREREQUISITES: None

DESCRIPTION:

RefReps is an engaging, informative, and inclusive sports officiating education curriculum. It incorporates innovative point of view technology to put the student in the position to make the call on the court, field, mat, pitch, or track. This class is a monitored web-based class using instructional interactive videos to understand the philosophy and mechanics of officiating. At the conclusion of the course, students earn state level certifications to officiate sporting events that have been studied.