

Bishop Brossart High School Curriculum Guide

2021– 2022



**MISSION STATEMENT
OF
BISHOP BROSSART HIGH SCHOOL**

Bishop Brossart is a Catholic high school that encourages students to embrace the Gospel Message of Jesus Christ in order to mature spiritually, advance academically, develop physically and foster the spirit of Charity First.

March 2014

ADMISSIONS POLICY

Bishop Brossart High School, under the auspices of the Department of Education, Diocese of Covington, does not discriminate on the basis of race, color or national or ethnic origin. Students of any ethnicity who meet the School's eligibility requirements are admitted to all the rights, privileges, programs, and activities generally accorded to students at the school. Bishop Brossart High School does not discriminate on the basis of race in administration of its educational policies, admission policies, scholarships and loan programs, and other school-administered programs.

Requirements for Graduation

Religion.....	4 credits
Health/Physical Education.....	1 credit
English.....	4 credits
Fine Arts.....	1 credit
Social Studies.....	3 credits
Mathematics.....	4 credits
Science.....	3 credits
Electives.....	<u>6 credits</u>
Total	26 credits

A senior retreat and a senior service project consisting of 16 hours of service and a class presentation are required for graduation. These requirements reflect the State Department of Education as well as Bishop Brossart School Board standards.

Class Rank/ GPA

Class rank is based on the yearly GPA. The GPA is computer generated based on the degree of difficulty of a course. Class rank is not listed on the official transcript.

Classification Requirements

To advance from one grade level to the next a student must meet the specific credit requirements, either in the regular school term or summer school. Correspondence courses may be accepted for credit only when recommended by school officials.

A grade of 60 is the minimum for passing. A grade of 75 or more is considered advisable for recommendation to college and professional study. Proper application to studies implies more than class attendance and doing written assignments. It requires a minimum of 2 hours of study outside of class each day for every student; for some it may mean more.

Grading and Honor System

The school year is divided into two semesters with two grading periods in each. Grades are given in numbers ranging from 0 to 100. Semester marks are the average of the two grading periods. The year's final marks are the average of the two semesters. To earn the required credit for the year, the average of the two semesters must be at least 60. Generally, scores lower than 60 are not given for quarter grades. Raw score/actual grade may be given with the approval of the administration.

Grading Scale

A = 100 – 90
B = 89 – 80
C = 79 – 70
D = 69 – 60
F = Below 60 is Failing

Honors

First = 3.75 or higher (no failing grade)
Second = 3.5 or higher (no failing grade)
Conduct Grade must be 80% or above
for First or Second honors

Report cards are issued, honors awarded and an Honor Roll publicly displayed at the close of each grading period. A certificate is earned each time a student achieves a 3.5 grade point average (GPA) or better for the year. This certificate is awarded at the academic awards assembly at the beginning of the school year.

Advanced Placement Courses

The Advanced Placement Program is an academic program of college-level courses and examinations for secondary school students. It is available to students who have chosen accelerated/honor classes. Over 1200 colleges and universities offer college credit to AP students who score at a certain level on the AP examinations.

The curriculum of an AP course is rigorous and will require more work than a regular high school course. Students develop critical thinking skills, fluid writing abilities, problem-solving skills and expertise in learning masses of material.

Dual Credit Courses

Dual Credit courses are offered through Thomas More University and Northern Kentucky University. Students will earn college credit while also earning credit towards their high school graduation requirements. A wide variety of courses can be taken online. BBHS also offers Senior level Biology, English, and French courses; and, junior level US History courses.

Testing

FRESHMEN:

Pre ACT - students take the Pre ACT in the fall. Student and aggregate reports summarize student performance, identify early intervention needs, and provide item-by-item performance for each Pre ACT examinee.

SOPHOMORE:

Pre ACT - students take the Pre ACT in the fall. Student and aggregate reports summarize student performance, identify early intervention needs, and provide item-by-item performance for each Pre ACT examinee.

PSAT - offered to students who wish to take the test during their sophomore year. Students receive their test results along with their test booklet and answers to each question. Students can use results to review incorrect answers.

JUNIOR:

Practice ACT - students take the practice ACT in the fall through a partnership with Torchprep. Students are provided their test results to gauge their level of readiness. School counselor receives student results in order to advise students regarding test preparation opportunities.

PSAT - all students take the PSAT in the fall. Students receive their test results along with their test booklet and answers to each question. Students can use results to review incorrect answers.

District Choice ACT - students take the District Choice ACT in February/March. Test results are college reportable. Students have a level of comfort taking the college reportable test in a familiar environment. Student and aggregate reports summarize student performance and identify intervention needs.

SENIOR: District Choice ACT - students take the District Choice ACT in September/October. Test results are college reportable. Students have a level of comfort taking the college reportable test in a familiar environment. Student and aggregate reports summarize student performance and identify intervention needs.

Class Schedule:

Students will receive a course selection paper in the spring and will need to submit their schedule by the designated deadline.

Transcripts

Seniors are given as many partial transcripts as needed to apply to colleges and for scholarships. One final transcript will be sent to the college that the student will be attending after high school graduation, and is free of charge. Any subsequent transcripts will be sent for a fee of \$5.00.

BUSINESS DEPARTMENT

ACCOUNTING I

Grade Level: 11 or 12

Prerequisite: None

Credit: 1

Course Description:

The accounting principles taught in this course are based on a double entry system. Activities include journalizing, posting, working with ledger books, preparing payroll and taxes, and preparing financial statements. Functions of Microsoft Excel are taught along with the textbook/workbook exercises.

ACCOUNTING II

Grade Level: 12

Prerequisite: Accounting I

Credit: 1/2

Course Description:

The advanced course includes an in-depth study of accounting principles, procedures, and techniques used in keeping financial records for sole proprietorship, partnership, and corporate organization, with major emphasis on corporations. Skills developed include: analyzing, interpreting, summarizing, and reporting information; preparing formal statements and supporting schedules; using inventory control; analyzing and interpreting accounting information for use in managerial problem solving situations; and automated accounting procedures. In addition, Financial Literacy and Personal Finance is covered.

COMPUTER TOPICS

Grade Level: 12

Credit: 1/2

Course Description:

This course includes a review of skills that will be needed for college or entry-level office positions including popular word processing, database and spreadsheet software. Research techniques and open-source software will be explored. This course includes basic game design, web development, and video creation.

SPORTS MARKETING

Grade Level: 11 and 12

Prerequisite: None

Credit: 1/2

Course Description:

Sports Marketing is a marketing course that develops student understanding of the sport/event industries. Concepts to be explored include economic impact, logos and products; pricing considerations; product/service management, and promotion. Students will acquire an understanding and appreciation for issues impacting sports business. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Guest speakers who have "real world" work experience in Sports/Event Marketing or some other related field will be invited to speak with the class throughout the semester. These guest speakers will share their work experience, insights, and reflections to provide the students with both classroom/course applications and career exploration.

TECHNOLOGY

Grade Level: 9

Prerequisite: None

Credit: 1/2

Course Description

This course covers essential computing concepts. Students will learn correct terminology and basic troubleshooting techniques. Review and next-level skills in basic office suite software and Google Docs. Research techniques and writing skills will be highlighted in this course that includes current events in the field of technology and social media. Students will be more computer literate and well-prepared for use of basic technology in their educational pursuits after this class.

ENGLISH DEPARTMENT

ENGLISH I

Grade Level: 9

Prerequisite: None

Credit: 1

Course Description:

This course is designed to introduce the students to the reading, writing, and critical skills they will need to achieve at a high level both in school and throughout their lives. The course takes into consideration that all students will not enter high school with the same basic skills, so it attempts to diagnose and remediate whenever possible. It introduces students to a variety of literary genres and the terms that are used for each. It teaches the students to apply the writing process to several kinds of assignments, ranging from informal personal writing to the research paper. Finally, it encourages students to use the analytical and critical skills of reading literature to further understand and explore their own lives and experiences.

ENGLISH II

Grade Level: 10

Prerequisite: English I

Credit: 1

Course Description:

This course is designed to expand upon the skills learned in English I and to serve as an introduction to world literature. By focusing on both Western works and writings from Asian, Hispanic, African, and Russian authors, students will apply terms and analytical skills to a wide variety of literary art. While examining different cultures and eras of writing, students will draw comparisons and contrasts between familiar works and more obscure forms to appreciate the similarities and differences in the human condition across cultures.

ENGLISH III

Grade Level: 11

Prerequisite: English I & II

Credit: 1

Course Description:

This course is designed to expose students to American literature from an historical point of view. In addition to reading well-known texts, students are introduced to lesser known writers in order to develop an aesthetic appreciation for our diverse national literature. Composition is emphasized to prepare the student for the university or work place after graduation. A section is also taken to prepare the student for the ACT test.

ENGLISH IV

Grade Level: 12

Prerequisite: English I, II & III

Credit: 1

Course Description:

This course is designed to expose the students to the literature of Great Britain from an historical point of view. In addition to reading well-known texts, students are introduced to a wide variety of writing from several different eras in order to develop an aesthetic and critical appreciation of our literary heritage. Composition and research are emphasized to prepare the student for the university or work place after graduation.

ADVANCED PLACEMENT ENGLISH (Language)

Grade Level: 11
Credit: 1

Prerequisite: English I & II

Course Description:

The AP English Language course engages students in an in-depth analysis of prose (both fiction and nonfiction) with a focus on critical thinking and understanding of rhetorical devices. Additionally, writing assignments sharpen their analytical skills. Students write essays as well as an extensive research paper that employs critical analysis of a controversial topic.

DUAL CREDIT ENGLISH (Literature and Composition)

Grade Level: 12

Prerequisite: English I, II & III

Credit: 1

Course Description:

The Dual Credit course in Literature and Composition engages the students in intense reading and critical analysis of literature. Additionally, writing assignments will sharpen their analytical skills and their understanding of what writers have accomplished, deepening their appreciation of literary artistry. Therefore, the course is designed to increase the student's ability to understand what they read, and to explain clearly and cogently what they understand and why they interpret literature as they do.

FINE ARTS DEPARTMENT

ART I

Grade Level: 9, 10, 11, or 12

Prerequisite: None

Credit: 1

Course Description:

Art work is done in the areas of drawing, painting, sculpture, printmaking crafts and Art History. Using this wide variety of media and subjects provides a very solid foundation for any type of creative activity. Art is a subject that students can learn and be tested on.

ADVANCED ART (ART II, III, IV)

Grade Level: 10, 11, or 12

**Prerequisite: Art I for Level II
Art I & II for Level III
Art I, II & III for Level IV**

Credit: 1

Course Description:

More involved and detailed work is done in all the areas of art that were introduced in Art I. Individual projects of personal interest to the students, in any of the areas of art are encouraged. Course goals are: 1) to build upon the knowledge and skills that were taught in Art I; 2) to prepare the student for a particular field of art as a career; 3) to prepare the student for the productive use of leisure time as a fulfillment of their specific needs.

ART AND MUSIC APPRECIATION

Grade Level: 9

Prerequisite: None

Credit: 1/2

Course Description:

This course gives an overview of Art and Music from its earliest history to the present. Students will view artwork and listen to music as well as have several learn by doing projects to go along with the general sequence of the class. Students will get a brief introduction to the many art and music movements and styles throughout history and become aware of the art that surrounds us every day.

DIGITAL MEDIA

Grade Level: 11/12

Prerequisite: None

Credit: ½ or 1

Course Description:

This course would be focused on teaching elements of video production, including shot composition, recording, editing, publication, and digital distribution. Also included in this course is the creation of the yearbook, utilizing graphic design software as well as online applications.

FILM

Grade Level: 12

Prerequisite: None

Credit: 1/2

Course Description:

This course explores the technical and artistic aspects of film, as well as the various genres of film. Students gain an understanding of and appreciation for the art of film-making.

INSTRUMENTAL MUSIC

Grade Level: 9, 10, 11, 12

Prerequisite: None

Credit: 1

Course Description:

This one credit, auditioned course features individual, small group and ensemble instruction. There are several performance opportunities throughout the school year. Students must supply their own instruments except for pianists and percussionists. Students who do not currently play an instrument will have the opportunity to learn.

THEATRE

Grade Level: 12

Prerequisite: None

Credit: 1/2

Course Description:

This course exposes students to the special skills involved in theatrical production and artistry.. There is a focus on performance, writing, staging, improvisation, public speaking and self-expression.

MUSIC/VOCAL MINISTRY

Grade Level: 9, 10, 11, 12

Prerequisite: None

Credit 1

Course Description:

This course prepares skilled musicians and vocalist to lead worship for all Campus Ministry offerings such as Liturgies, Retreats, penance services, etc. This course is performance based and emphasizes the development of musicianship and vocal dynamics and confidence in performing for an audience.

HEALTH & PHYSICAL EDUCATION

HEALTH

Grade Level: 9

Prerequisite: None

Credit: 1/2

Course Description:

The primary goal of this course is to familiarize the student with current health topics and how they will affect their level of wellness both presently and in the future. The student is also presented with current facts, which will enable him/her to make positive, healthful choices that may have a lasting effect and contribute to their total health.

PHYSICAL EDUCATION

Grade Level: 9

Prerequisite: None

Credit: 1/2

Course Description:

The purpose of the ninth grade physical education program is to promote a good understanding of the importance of physical fitness as it applies to the enhancement of one's physical, emotional, social and spiritual well being now and later in life. This course is designed to allow the student to experience and practice skills that are essential to lifelong fitness, leadership and positive group interaction.

MATHEMATICS DEPARTMENT

ALGEBRA I

Grade Level: 9

Prerequisite: None

Credit: 1

Course Description:

This course is a requirement for all ninth grade students. The course is offered at different levels depending upon the student's mathematical ability, which is determined by a placement examination. Topics include a preview of Algebra, the rules of Algebra, signed numbers, solving equations, solving inequalities, graphing, formulas and functions, systems of equations, exponents and radicals, polynomials, quadratics, and ratio and proportion.

ALGEBRA II

Grade Level: 9, 10 or 11

Prerequisite: Algebra I

Credit: 1

Course Description:

This course is a requirement for graduation from Bishop Brossart High School. The course is typically offered to juniors and is taught at different levels. Sophomores may take Algebra II (along with Geometry) with departmental permission, in order to "double up" so that a Calculus course may be taken during senior year. This course is also offered to freshmen in our advanced program if they score at a high enough level on the eighth grade algebra placement test. (Please Note: this is a separate test from the high school placement test and it is typically given in May.) Topics covered include the language of algebra, linear relationships, quadratic functions, function notation and operations, graphing, systems of equations, exponents & radicals, complex numbers, polynomial functions, rational expressions, conic sections and basic trigonometry.

FINANCIAL LITERACY

Grade Level: 11 or 12

Prerequisite: None

Credit: 1/2

Course Description:

The purpose of the class is to empower students with knowledge and application of basic financial principles so that they can make sound financial decisions for life. Students will develop informed money-management decisions while learning ethical money management.

GEOMETRY

Grade Level: 10

Prerequisite: Algebra I

Credit: 1

Course Description:

This course is a requirement for all tenth grade students. The course is offered at different levels depending upon the student's mathematical ability. Topics include fundamentals of geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, quadrilaterals, area, similarity, right triangle trigonometry, circles, surface area, volume, and transformations.

PRE-CALCULUS

Grade Level: 11 or 12

Prerequisite: Algebra I & II, Geometry

Credit: 1

Course Description:

This course is intended for students who plan to take a calculus course in high school or college. Precalculus includes the topics traditionally taught as Trigonometry and Analytic Geometry and integrates extensive work and analysis with power, polynomial, rational, exponential, logistic, logarithmic, and sinusoidal functions. A transformational approach to understanding functions is used incorporating graphical, algebraic, and numerical techniques. There is a strong emphasis placed on understanding graphical behavior and "real world" applications.

ADVANCED MATH TOPICS

Grade Level: 12

Prerequisite: Algebra I & II, Geometry

Credit: 1

Course Description:

This course is designed as a terminal course in mathematics for students planning to attend college or technical school who are not planning on majoring in the sciences. The course will provide for maintenance and improvement of previously acquired mathematical skills, as well as exploration and enrichment with respect to new topics. The use of the graphing calculator will be integrated throughout the course.

DISCRETE MATHEMATICS

Grade Level: 12

Prerequisite: Algebra I & II, Geometry

Credit: 1

Course Description:

This course covers a variety of topics that will potentially be seen again at the college level, with a specific focus on probability and statistics. Topics include ACT preparation and review, inferential statistics, descriptive statistics, probability, probability distributions and more. The use of the graphing calculator and other technology will be integrated throughout the course.

ADVANCED PLACEMENT CALCULUS

Grade Level: 12

Prerequisite: Algebra I & II, Geometry, Precalculus

Credit: 1

Course Description:

This course is designed to prepare students to study college level material in order to master it and enter into the college environment with a comprehensive understanding of Calculus I and some Calculus II concepts. Both elementary functions (power, polynomial, rational) and transcendental functions (exponential, logistic, logarithmic, and trigonometric) are used in theory and application. College credit may be awarded depending on the results of the AP Calculus AB test taken in May.

CALCULUS FUNDAMENTALS

Grade: 12

Prerequisite: Algebra I & II, Geometry, Precalculus

Credit: 1

Course Description:

This course is designed to expose students to all of the concepts that would be taught in a college level Calculus I course, but without the rigor of AP. The fundamentals of derivatives and integration of elementary functions (power, polynomial, rational) and transcendental functions (exponential, logistic, logarithmic and trigonometric) are mastered. Applications contain various business and some physics concepts. This course is offered as an alternative to AP Calculus and, although no college credit may be awarded, it will continue to challenge and prepare those students who took Pre Calculus during their junior year.

RELIGION DEPARTMENT

RELIGION I

Grade Level: 9

Prerequisite: None

Credit: 1

Course Description:

Semester 1: The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ.

Semester 2: The purpose of this is to introduce students to the mystery of Jesus Christ, the living Word of God and the Second Person of the Blessed Trinity. The students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about Who He is, the students will also learn who he calls them to be.

RELIGION II

Grade Level: 10

Prerequisite: Religion I

Credit: 1

Course Description:

Semester 1: The purpose of this course is to help students understand all that God has done for us through His Son, Jesus Christ. Through the redemption Christ won for us, students will learn they share in this redemption only in and through Jesus Christ. They will be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Semester 2: The purpose of this course is to help students understand that through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know the Church is the living Body of Christ today.

RELIGION III

Grade Level: 11

Prerequisite: Religion I & II

Credit: 1

Course Description:

Semester 1: The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the Sacraments. Students will examine each of the Sacraments in detail.

Semester 2: The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn moral concepts and precepts that govern the lives of Christ's disciples.

RELIGION IV

Grade Level: 12

Prerequisite: Religion I, II & III

Credit: 1

Course Description:

Semester 1: Church History: Looking at the history of Christ's presence in the Church, which interfaces with human history. Students will examine how the religious and laity have come to influence the Church over time.

Semester 2: Theology of the Body: The "Theology of the Body" is St Paul II's integrated vision of the human person. The human body has a specific meaning, making visible an invisible reality, and is capable of revealing answers regarding fundamental questions about us and our lives: Is there a real purpose to life and if so, what is it? What does it mean that we were created in the image of God? Why were we created as male and female? What does the marital union of a man and woman say to us about God and his plan for our lives? What is the purpose of the married and celibate vocations? What exactly is "Love"? Is it truly possible to be pure of heart?

CAMPUS MINISTRY

Grade Level: 11 or 12

Prerequisite: None

Credit: 1

Course Description:

Campus Ministry provides juniors and seniors an opportunity to grow in faith and leadership skills as they serve our school by designing and implementing our liturgical calendar. Students are empowered to develop their talents and ideas to offer other BBHS students opportunities for spiritual growth.

SCIENCE DEPARTMENT

HONORS ANATOMY

Grade Level: 11/12

Prerequisite: None

Credit: 1

Course Description:

This course is designed to educate the student about the anatomical and physiological functioning of the human body systems, their precise and intricate structure, and the diseases and disorders associated with each system. The course tries to prepare college bound juniors or seniors who want to pursue a career in medical or paramedical fields.

ADVANCED PLACEMENT BIOLOGY

Grade Level: 12

Prerequisite: Biology and Chemistry

Credit: 1

Course Description:

The process of evolution drives the diversity and unity of life. Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis. Living systems store, retrieve, transmit and respond to information essential to life processes. Biological systems interact and these systems and their interactions possess complex properties.

ASTRONOMY

Grade Level: 11/12

Prerequisite: None

Credit: 1/2

Course Description:

Astronomy is a one-semester science course that introduces students to space science topics. Possible units of study include introduction to earth & space, systems of matter & energy, the big bang, the universe, galaxies, earth and the solar system, stars and stellar evolution, black holes. Each unit will allow students to explore a variety of concepts related to the topic of study through hands-on investigations, activities, and research projects that provide students the opportunity to actively participate in their learning. In this course, students will evaluate evidence, make valid claims, use critical thinking skills, and synthesize information from a variety of sources.

FUNDAMENTALS OF ENGINEERING

Grade Level: 12

Prerequisite: None

Credit: 1/2

Course Description:

Introduces students to the practice and principles of computer programming and computational problem solving. Students will engage in hands-on project-based problem solving using modern computer software and hardware, with a particular emphasis on problems and techniques commonly appearing in various domains of engineering.

BIOLOGY

Grade Level: 9

Prerequisite: None

Credit: 1

Course Description:

This course presents students with an understanding of the complex interactions within the living and nonliving environments and the roles they play in these interactions. Students will also gain knowledge and insight into the complex decisions that must be made when the subject of biology is applied at the social level (bioethics/moral issues). Various topics include genetics, evolution, cell structure and function, dissection of different organisms, classification, human biology structure and function, introduction to microbiology and differing environments.

HONORS BIOLOGY

Grade level: 9

Prerequisite: None

Credit: 1

Course Description:

This course is designed for the honors student. The topics listed will be covered in more depth and a faster pace in this course. It is imperative that students have the study habits, maturity, and motivation necessary for this course. This course presents students with an understanding of the complex interactions within the living and nonliving environments and the roles they play in these interactions. Students will also gain knowledge and insight into the complex decisions that must be made when the subject of biology is applied at the social level. Various topics include genetics, evolution, human biology structure and function, introduction to microbiology, cell structure and function, dissection of different organisms, classification, and differing environments.

CHEMISTRY

Grade Level: 10 or 11

Prerequisite: Biology

Credit: 1

Course Description:

Chemistry is a course designed to introduce students to physical science. This course will cover in the classes of matter, atomic structure, the periodic table, the mole concept, chemical formulas and equations, acids and bases, and energy relations in chemistry. This course is designed for students to analyze the world around them using experiments and laboratory techniques used in the science field. The students enrolled in the course are expected to draw conclusions from concepts covered in the course, work independently, and perform approved experiments and research outside of class to further the knowledge in the science field.

HONORS CHEMISTRY

Grade Level: 10 or 11

Prerequisite: Biology

Credit: 1

Course Description:

Honors Chemistry is a course designed for students who are interested in furthering their understanding in the science fields. This course will cover in depth the classes of matter, atomic structure, the periodic table, the mole concept, chemical formulas and equations, acids and bases, energy relations in chemistry, and an introduction to organic chemistry. This course is designed with a high emphasis on experiments and laboratory techniques used in the science field. The students enrolled in the course are expected to master the concepts covered in the course, work independently, and perform approved experiments outside of class to further the knowledge in the science field and to connect previous learned materials across units.

ENVIRONMENTAL SCIENCE

Grade Level: 12

Prerequisite: None

Credit: 1/2

Course Description:

Environmental science is a one-semester science course that includes the study of the environment including physical, biological, and social sciences. Units of study will include science and the environment, how ecosystems work, biodiversity, atmosphere and climate change, waste, and economics, policy and the future. Each unit includes case studies, exploration and inquiry labs, and field studies. Throughout the course students will have the opportunity to use critical thinking skills and learn about current events affecting our environment. The online textbook includes various multimedia activities and resources, self-checks, and interactive reviews.

FORENSIC SCIENCE

Grade Level: 12

Prerequisite: None

Credit: 1/2

Course Description:

Forensic science as a discipline is a natural vehicle for students to practice science as inquiry. For every piece of physical evidence brought in for analysis, the students must apply the scientific method. The multidisciplinary approach of this course addresses concepts in chemistry, zoology, anatomy, genetics, physics, medicine, math and statistics.

FUNDAMENTALS OF COMPUTER ENGINEERING

Grade Level: 12

Prerequisite: Honors Physics

Credit: 1

Course Description:

In the first quarter the class will focus on engineering as a career, activities like building structures and some materials testing, and then start into basic programming via matlab. The second will focus on the combined use of arduino boards and matlab to understand the relationship between programming, circuits and simple devices. Students will start with simple programs to pulse a led and work up to creating a float switch and image processing. Through the third quarter students will have a chance to work with machine learning, 3D and mathematical modeling, while beginning their class project. In the fourth quarter time will be given to completing their project and presenting.

GEOLOGY

Grade Level: 11/12

Prerequisite: None

Credit: 1/2

Course Description:

Geology is a one-semester half credit elective course designed to explore the Earth and the effect of internal and external processes on its shape, composition, and environment. Possible units of study will include rocks and minerals, earth's interior, earthquakes, volcanoes, plate tectonics, weathering, erosion, & soil, surface processes. Each unit will allow students to explore a variety of concepts related to the topic of study through hands-on investigations, activities, and research projects that provide students the opportunity to actively participate in their learning. In this course, students will evaluate evidence, make valid claims, use critical thinking skills, and synthesize information from a variety of sources.

HONORS PHYSICS

Grade Level: 12

Prerequisite: Biology and Chemistry

Credit: 1

Course Description:

Physics is an advanced course designed to introduce students to the concepts covered in a first year physics class. Topics covered included mechanics, electromagnetism, and the history of physics, astronomy, and wave motion. This course has a high concentration on mathematics and laboratory technique.

SOCIAL STUDIES DEPARTMENT

WORLD CIVILIZATIONS

Grade Level: 10

Prerequisite: None

Credit: 1

Course Description:

World Civilizations is the unfolding of events from the beginnings of man into the Twenty-First Century. It concentrates attention on major events, with emphasis on politics, social/cultural changes, government, wars, etc. and how these events of the past affect people today.

ADVANCED PLACEMENT WORLD CIVILIZATIONS

Grade Level: 10

Prerequisite: None

Credit 1

Course Description:

The purpose of the AP World Civilizations course is to develop a greater understanding of the evolution of global processes and contacts in different types of human societies. The course highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies.

GOVERNMENT

Grade Level: 10

Prerequisite: None

Credit: 1/2

Course Description:

This course studies the American Government from its inception to the way the system works today.

This course will:

1. To introduce students to the origins of the American political system.
2. To show students the relationship between the Constitution and their rights as citizens.
3. To provide an understanding of the political system so as to produce well informed citizens and future voters.

WORLD GEOGRAPHY

Grade Level: 10

Prerequisite: None

Credit: 1/2

Course Description:

This course focuses on the Geographical and cultural features of the world.

The students will be able to locate regions and nations of the world as well as explain their economic, political and social makeup. The major regions to be studied will be the United States and Canada, Latin America, Europe, Russia and the Eurasian Republics, North and South Africa, Asia (East, South East, and South West).

U.S. HISTORY

Grade Level: 11

Prerequisite: World Civilizations

Credit: 1

Course Description:

American History is the unfolding of events beginning with the Age of Discovery in Europe through post-World War II America. It includes political affairs, foreign diplomacy and wars as well as cultural and social changes.

DUAL CREDIT U.S. HISTORY

Grade Level: 11

**Prerequisite: World Civilizations
& Teacher Approval**

Credit: 1

Course Description:

Dual Credit U.S. History is the unfolding of events beginning with the Age of Discovery in Europe through post-World War II America. Students are prepared to take the AP College Board test in May for college credit.

ADVANCED PLACEMENT EUROPEAN HISTORY - (not available every year)

Grade Level: 11

**Prerequisite: World Civilizations
& Teacher Approval**

Credit: 1

Course Description:

AP European History is the unfolding of events beginning with the Renaissance through the collapse of the Soviet Union. Students are prepared to take the AP College Board test in May for college credit. Can also be taken for Dual Credit.

GLOBAL ISSUES

Grade Level: 11 or 12

Prerequisite: None

Credit: 1/2

Course Description:

Global Issues is an elective course that has the goal of informing the student of political, economic, social, cultural and religious affairs as they are today.

PSYCHOLOGY

Grade Level: 11 or 12

Prerequisite: None

Credit: 1

Course Description:

This course is designed to examine psychology in the context of human development. The student will be introduced to the kinds of behavior studied by psychologists and the basic techniques that are used. The development of human behavior will be examined in each of the major age periods, from birth to death. Physiological processes will be studied to discover how the brain enables us to react and interpret the environment around us.

ECONOMICS

Grade Level: 12

Prerequisite: None

Credit: 1/2

Course Description:

Applied Economics is a one semester course, introducing the theory and practice of economics to high school students. Theoretical learning about business is enhanced by the experience of organizing and operating a "student company" by computer management, simulation and weekly visits from a business consultant.

WORLD LANGUAGES DEPARTMENT

AMERICAN SIGN LANGUAGE I

Grade Level: any

Prerequisite: None

Credit: 1

Course Description:

This class is partially an online class and there is an extra fee for the online portion. The other part of the class involves hands-on signing activities such as dialogue, presentations, written and signing assessments, etc.

AMERICAN SIGN LANGUAGE II

Grade Level: any

Prerequisite: American Sign Language I

Credit: 1

Course Description:

This class is partially an online class and there is an extra fee for the online portion. The other part of the class involves hands-on signing activities such as dialogue, presentations, written and signing assessments, etc.

FRENCH I

Grade Level: 9

Prerequisite: None

Credit: 1

Course Description:

In this introductory course, students will begin to acquire the four skills of listening, speaking, writing and reading French. The class will be conducted in simple French in order for students to comprehend oral conversation with additional exposure to audio material by native French speakers.

FRENCH II

Grade Level: 10

Prerequisite: French I

Credit: 1

Course Description:

In this intermediate course, students will continue to develop the four skills of listening, speaking, writing and reading French. The class will be conducted in French in order for students to comprehend oral conversation with additional exposure to audio material by native French speakers.

HONORS FRENCH III

Grade Level: 11

Prerequisite: French I & II

Credit: 1

Course Description:

In this upper level course, students will expand the four skills of listening, speaking, writing and reading French. The class will be conducted in French in order for students to comprehend oral conversation with additional exposure to audio material by native French speakers.

DUAL CREDIT FRENCH 101

Grade Level: 11 or 12

Prerequisite: French I, II

Credit: 1

Course Description:

This course includes the introductory study of vocabulary, grammar, and pronunciation. It emphasizes the development of proficiencies in speaking, reading, listening, and writing. Students will enhance their understanding of the language, culture, and geography of the Francophone world.

DUAL CREDIT FRENCH 102

Grade Level: 11 or 12

Prerequisite: French I, II and grade of C or better in FR 101

Credit: 1

Course Description:

Continuation of introduction to French language and culture. Intensive practice in speaking, listening, reading, and writing.

DUAL CREDIT FRENCH 201 & 202

Grade Level: 12

Prerequisite: French I, II & III

Credit: 1

Course Description:

In this course, students will further refine the four skills of listening, speaking, writing and reading French. The class will be conducted in colloquial French in order for students to comprehend oral conversation with additional exposure to audio material by native French speakers.

SPANISH I

Grade Level: 9

Prerequisite: None

Credit: 1

Course Description:

In this introductory course, students will acquire the four skills of listening, speaking, writing, and reading Spanish proficiently. The class will be conducted in simple Spanish in order for students to comprehend oral conversation with additional exposure to audio material by native Spanish speakers. Cultural aspects are included throughout.

SPANISH II

Grade Level: 10

Prerequisite: Spanish II

Credit: 1

Course Description:

In the second year program, students will continue to develop proficiency in the areas of listening, speaking, reading and writing in the target language. The vocabulary and grammar presented in the first year will be expanded and new vocabulary concepts and grammar points will be introduced. The course will be conducted in 75% Spanish throughout the year to encourage listening comprehension and oral proficiency.

HONORS SPANISH III

Grade Level: 11

Prerequisite: Spanish I & II

Credit: 1

Course Description:

Students will begin to communicate completely in the target language during the third year program. They will expand on the vocabulary and grammar concepts they have been developing throughout the first two years while being introduced to more sophisticated forms of expression in Spanish. The course will be taught in 100% Spanish by the instructor and the students are required to respond in the target language.

ADVANCED PLACEMENT SPANISH IV

Grade Level: 12

Prerequisite: Spanish I, II, & III

Credit: 1

Course Description:

In this advanced placement college level course, students will further refine the four skills of listening, speaking, writing, & reading Spanish. The class will be conducted entirely in Spanish in order for the students to comprehend oral conversation with additional audio material by native speakers.

ACADEMIC ENHANCEMENT DEPARTMENT

ACADEMIC ENHANCEMENT PROGRAM (AEP)

Grade Levels: 9-12

Prerequisite: Diagnosed learning disability

Credit: 1

Course Description:

The Academic Enhancement Program (AEP) is a program for students who have been professionally diagnosed with a specific learning disability such as, but not limited to: ADD, ADHD, Tourette's syndrome, Dyslexia, or processing difficulties. The goal of this program is to teach students the necessary skills to succeed academically at Bishop Brossart High School. The program is fully inclusive. The student participates in the program for one of the seven periods as an elective, and receives a letter grade in the class. Class size is limited to 8 students.