

Senior Courses--REQUIRED

English IV

(03220400 ENG 4)

12th 1 credit 4.0

Prerequisite(s): English I, II, III

Course Description: The fourth year of English studies is a survey of British literature from the Medieval period to the present. Attention will be given to the development of English literature, language, and genres. Students will read representative pieces from all genres and time periods and will spend nine weeks studying several works of William Shakespeare. Students will produce at least one essay on a literary topic per nine weeks. Additionally, students will undergo a research project in the second semester focusing on one poet. "The Poet Project," This will involve an essay, an oral presentation, and extensive research on one poet chosen by each student from a list of approved poets.

AP English IV: Literature and Composition

(A3220200 APENGLIT)

12th 1 credit 5.0

Prerequisite(s): At least two of the following: minimum grade of 87 in AP English III, or minimum grade of 95 in English III, teacher recommendation, and PSAT critical reading AND writing minimum score of 610

Course Description: The goal of AP English IV is to prepare students for the Advanced Placement Literature and Composition examination given in May. The students will be challenged by a college-level reading load and pace with a specific focus on the genres of prose, poetry, and drama. Students will read several representative pieces from all genres and time periods. Students will produce a variety of both in-class and formal essays focusing on the explication of literary works. Additionally, students will engage in an extensive research project in the second semester focusing on a single poet. "The Poet Project," based on the Junior Poet Project at the University of Dallas, will involve an essay, an oral presentation, and extensive research on one poet chosen by the student. A student earning a qualifying score on the AP English Literature exam may place out of three to six college credit hours.

Additional Fee: AP EXAM fee of \$96 (fee may change per College Board decision)

Algebraic Reasoning

(03102540 ALGREa)

10th -12th 1 credit 4.0

Prerequisite(s): Algebra I and Geometry

Course Description: This course broadens students' knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, numeric and algebraic methods, and modeling from data using tools that build to workforce and college readiness. Students will be required to use technology when appropriate. Students will be required to use technology when appropriate.

Algebra II

(03100600 ALG 2)

10th -12th 1 credit 4.0

Prerequisite(s): Algebra I and Geometry

Course Description: In Algebra II, Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods. Algebra II is a course required by most major universities.

Pre-Calculus

(03101100 PRE CALC)

11th -12th 1 credit 4.0

Prerequisite(s): Algebra II

Course Description: In this course, students will study functions, including polynomial, rational, radical, exponential, logarithmic, trigonometric, and piecewise-defined functions. Students will be able to define functions, describe characteristics of functions and translate among verbal, numerical, graphical, and symbolic representations of functions. Students will model and solve real-life problems using functions, sequences and series, parametric representations, conic sections, and vectors. Students will be required to use graphing calculators when appropriate. This course is strongly recommended for students planning to attend a four-year college.

Advanced Pre-Calculus

(03101100 PRECALC ADV)

11th -12th 1 credit 5.0

Prerequisite(s): At least 2 of the following: teacher recommendation, 550 or higher on the PSAT math section and a minimum grade of 95 in Algebra II or an 88 or higher in Advanced Algebra II

Course Description: Advanced Precalculus is the study of functions, equations, expressions, sequences and series, and geometry and trigonometry used in problem-solving. This course will present a broader and more in-depth study of the concepts taught in Precalculus. The course is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. In this course students will study functions, sequences and series, parametric representations, conic sections, and vectors. Additional enrichment topics will be introduced in this course. Students will be required to use technology when appropriate. Projects will supplement the class. This course is strongly recommended for students planning to attend a four-year college.

AP Calculus AB

(A3100101 APCALCAB)

12th 1 credit 5.0

Prerequisite(s): At least 2 of the following: teacher recommendation, 600 or higher on the PSAT math section, and a minimum grade of 95 in Pre-Calculus or 88 or higher in Advanced Pre-Calculus

Course Description: This course is designed by College Board and covers limits and continuity, derivatives and their applications, definite and indefinite integrals, and introduces differential equations and mathematical modeling. Students are required to use their own graphing calculator. Student may earn credit for one semester of college Calculus with a qualifying AP exam score.

Additional Fee: AP EXAM fee of \$96 (fee may change per College Board decision)

Statistics

(03102530 STATS)

11th -12th 1 credit 4.0

Prerequisite(s): Algebra I

Course Description: In Statistics, students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will be required to use technology when appropriate. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

Anatomy & Physiology

(13020600 ANATPHYS)

12th 1 credit 5.0

Prerequisites: Three credits of science

Course Description: The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis.

Earth and Space Science

(03060200 ESS)

11th -12th 1 credit 4.0

Prerequisite(s): 3 credits of mathematics and 3 credits of science

Course Description: This course combines earth science, ocean science, atmospheric science, and space science in a single course. In one year, students learn the basics and special topics of geology, oceanography, meteorology, and planetary astronomy in a course that builds upon the knowledge they learned in their earlier high school science courses. ESS takes a systems approach to the themes of Earth in space and time, solid Earth, and fluid Earth. ESS has three strands used throughout each of the three themes: systems, energy, and relevance.

U.S. Government

(03330100 GOVT)

12th .5 credit 4.0

Prerequisite(s): None

Course Description: Students will examine political ideology, comparative political systems, the Constitution, civil liberties and civil rights, the three branches of government, Texas and local government, law and criminal procedures, political parties, campaigns, and the responsibilities of citizenship. Course will emphasize the interaction between citizens and the American political system.

AP U.S. Government

(A3330100 APUSGOVT)

12th .5 credit 5.0

Prerequisite(s): Senior level only, at least two of the following: a teacher recommendation, at least a 92 in US History or an 88 or higher in AP US History, and 600 or higher in Evidence Based Reading and Writing on PSAT

Course Description: AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. Preparation for the AP test is included. Additionally, state and local topics are incorporated to meet Texas requirements for graduation. A student scoring well may place out of three college credit hours. (Social Studies credit) Additional Fee: AP EXAM fee of \$96 (fee may change per College Board decision)

Economics with Emphasis on the Free Enterprise System and Its Benefits

(03310300 ECO-FE)

12th .5 credit 4.0

Prerequisite(s): Senior level only

Course Description: This course provides students with a general overview of U.S. Economic activities, including basic differences between capitalism, socialism, and communism; the influence of American ideals of democratic government, laws, customs, and institutions on free enterprise; and familiarization with basic economic terms. Course also includes an in-depth unit on personal financial literacy, including concepts such as budgeting, taxation, insurance, banking, and investing. (Social Studies credit)

Theology IV

(Local Course THEO 4)

12th 1 credit 4.0

Prerequisite(s): None

Course Description: The goal of Theology IV is for students to gain a thorough understanding of Catholic Social Teaching, which is a doctrine of the Church, taking into account the light of faith, that regards our interactions with others. To achieve this goal, the class focuses on drawing out various implications of the Incarnation of Jesus Christ

including the Catholic Sacramental Worldview and the Dignity of the Human Person. To understand this, Theology IV teaches a thorough understanding of the Nature of Man, which is discussed through the lenses of philosophy (natural wisdom) and theology (revealed wisdom). An especial emphasis is placed on the study of the Theology of the Body, through which the Nature of Man is understood as revealed through both the physical body and the revealed wisdom of God.

Leadership Skills Development

(Catholic Virtual Course LDRS DV)

9th-12th 1.0 credit 4.0

Prerequisite(s): None

In Leadership Skills Development, students build skills to succeed in high school, college, and life. Students learn to act by pressing their "Turbo Button", manage their time by staying in the "Lasting Zone", chart their goals by creating a "North Star", and many other proven leadership techniques developed by the leadership training institute Mawi Learning. Whether students are struggling or already at the top of their game, Leadership Skills Development will give them new skills for a successful life.

Elective Courses

AP Biology

(A3010200 APBIO)

11th -12th 1 credit 5.0

Prerequisite(s): Biology, Chemistry and at least two of the following: A minimum grade of 95 in Biology, a minimum PSAT ERW score of 550 and teacher recommendation

Course Description: Advanced Placement Biology is a higher-level science course designed to offer students a solid foundation in introductory college-level biology. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work. May earn two semesters of credit for college biology with qualifying AP exam score.

Additional Fee: AP EXAM fee of \$96 (fee may change per College Board decision)

AP Chemistry

(A3040000 APCHEM)

11th -12th 1 credit 5.0

Prerequisite(s): Chemistry and Algebra II, concurrent enrollment in pre-Calculus preferred. At least two of the following: science teacher recommendation, a minimum grade of 90 in Chemistry, minimum PSAT math score of 550

Course Description: Advanced Placement Chemistry is a laboratory-based, higher level science course designed to offer students a solid foundation in introductory college-level chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

Students will come to understand the nature of the chemical world around us through questioning, experimentation, and analysis. The science practices used in this will enable students to develop and refine testable explanations and predictions of natural phenomena. May earn credit for two semesters of college chemistry with qualifying AP exam score. (Science credit)

Additional Fee: AP EXAM fee of \$96 (fee may change per College Board decision)

Latin IV

12th 1 credit 5.0

Prerequisite(s): Latin I, II and III AND Latin teacher recommendation

Course Description: The AP Latin course focuses on the in-depth study of selections of Latin literature as determined annually by the College Board in preparation for the AP Latin Language examination. The course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

Spanish IV

(03440400 SPAN 4)

11th – 12th Grades 2 semesters, 1 credit

Prerequisites: Spanish III AND Spanish teacher recommendation

Course Description: It is expected of students to be able to communicate in Spanish and have competence in the four skills: reading, writing, listening, and speaking. This course is designed for students who wish to complete studies in high school comparable in difficulty and content to third year college Spanish. Course content will include a review of grammar and vocabulary, reading selected samples of authentic literary prose and poetry, listening to comprehension exercises, discussing literary and cultural topics, current events and personal experiences and writing composition trying to use a high degree of structural accuracy. The student will spend the last part of the second semester reviewing the four basic skills: reading, writing, listening, and speaking. The goal is to be well prepared for the Advanced Placement exam in May.

Art I: Introduction to Art

(03500100 ART 1)

9th -12th 1 credit 4.0

Prerequisite(s): None

Course Description: Students will be introduced to the elements and principles of Art, in addition to the foundations of Art: observation and perception; creative expression; historical and cultural relevance; and critical evaluation and response. Students will explore a variety of art forms including drawing, painting, and sculpture.

Art II

(03500200 ART 2)

10th -12th 1 credit 4.0

Prerequisite(s): Art I

Course Description: Students will expand on skills gained in Art I through additional experience in the study of teacher directed media, artists, art history periods, and subject matter. Students should prepare for written, as well as oral critiques for self-assessment. An introductory session of what should be included in a portfolio and how to prepare it will be required.

Art III

(03500300 ART 3)

11th -12th 1 credit 4.0

Prerequisite(s): Art II

Course Description: Students will expand on skills gained in Art I and II using the student's choice of selected experience in the study of media, artists, art history periods, and subject matter. Students may choose to concentrate their art experiences in the area of drawing, painting, mixed media, sculpture, printmaking, animation or other media. An introductory session of what should be included in a portfolio and how to prepare it will be required.

Art IV: Advanced Art

(ART 4)

11th -12th 1 credit 4.0

Prerequisite(s): Art III

In Advanced Art, students review basic drawing skills and the elements and principles of design. They explore how each of these are used in art, expand their knowledge of art history, and explore, in depth, several different types of media and artistic styles in order to begin to define their personal aesthetic. All projects in this course will be original compositions by the student. At the end of the last four modules, students will participate in either a self- or peer-critique to help them learn to analyze their work and grow as an artist from the input of others. At the end of the course, students will compile and organize their artwork into a digital portfolio and write an artist statement that can be used as a record of personal accomplishment or as an application to a secondary art program or job.

Choir

(Local Credit CHOIR)

9th -12th 1 credit 4.0

Prerequisites: None

Students who enter the choral music program will be singing a wide variety of choral music and will be considered vocal ambassadors for Holy Trinity. This will be a performance-based choir who will respond to invitations to sing in public venues, as well as present concerts per year. There will be opportunities for solo and small ensemble work. Students will learn to read music and the basics of sight singing and ear training.

Debate

(Local Credit DEBATE)

9th -12th 1 credit 4.0

Prerequisite(s): Teacher recommendation

Course Description: Debate is specifically competitive speech and debate. The Debate class will focus on getting students ready to compete in a variety of speech and debate events through reading, interpreting, and blocking various literary performance pieces for competition; constructing debate cases on a variety of topics; conducting research for extemporaneous speaking and other events; and performing other administrative duties as necessary. All students will be expected to attend and participate in speech tournaments throughout the year. Students will assist with the hosting of invitational tournaments. The primary goal of the course is to provide students with the necessary skills and confidence to feel comfortable speaking in any situation. *Students will be required to compete in events outside of school hours.*

Drama I - Fundamentals of Acting

(Local Credit DRAMA)

9th -12th 1 credit 4.0

Prerequisite(s): None

Course Description: In Drama, students will learn basic principles in stage movement, voice, diction, oral interpretation, and pantomime as well as the vocabulary and history of theater in the Western Canon. Students will practice techniques to overcome stage-fright and develop self-confidence. Students will concentrate on improvisational techniques and acting skills for in-class and public performances. Students will also read a variety of plays representative of different genres and periods of theater history. Through the study of these plays and the presentation of scenes and monologues, students will develop the ability to translate the printed word into a dramatic presentation. This course emphasizes script analysis, vocal and physical preparation, and the creation of a character.

Drama II - Intermediate Acting

(Local Credit DRAMA2)

10th -12th 1 credit 4.0

Prerequisite(s): Drama I

Course Description: Students will build upon their experiences from Drama I. Students will prepare scenes and monologues with a special focus on the actor's instrument. Voice and movement techniques will be incorporated into the preparation process.

Foundations of Personal Fitness

(PES00052 PEFOUND)

9th -12th 0.5 credit 4.0

Prerequisite(s): none

The purpose of this course is to motivate students to achieve lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the corner stone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program as a way to develop the skills necessary to become fit and achieve some degree of fitness within the course.

Modern Band

(Local Credit MDRNBAND)

9th -12th 1 credit 4.0

Prerequisite(s): None

Course Description: Modern band focuses on the development of a student's musicianship using a repertoire of popular music such as rock, pop, reggae, and praise & worship and includes playing, performing, and composing/songwriting. Students will gain a basic understanding of acoustic/electric/bass guitar, drums, keyboards and singing, experiencing how to play each instrument and how each instrument functions within a band setting. Students will have the opportunity to provide input on class repertoire and participate in the decision-making process when picking what music to learn and play. Students will also learn the history of the most popular music genres as well as the basics of music theory.

Yearbook

(Local Credit YRBK)

9th -12th 1 credit 4.0

Prerequisites: None

Yearbook offers the unique opportunity to become part of a team which will produce a complete record of an entire school year. The year begins by planning the coverage for the school year and designing a unifying theme for the book, and finally creating, editing, and submitting the pages created in InDesign. Students learn the essentials of yearbook production including the budgeting, writing, and editing of stories, layout of yearbook pages, and graphic design. *Students will be required to attend school events outside of school hours.*

ARCHITECTURE/ENGINEERING TRACK

Smart Cities: Technology and Applications

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

A smart city uses Internet of Things sensors and tech to connect components across a city to ultimately improve the lives of citizens. In this course, students will learn about the history and development of smart cities. They will explore how technology are affecting a city's energy, transportation, and government. With rapidly increasing urbanization globally, this field presents a world of career opportunities for students.

Project Management

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

The Project Management course is intended to identify the key components of a career as a project manager. Students will review the basics in project management terminology, such as designating distinctions among projects, products, programs, and portfolios. They will delve into concepts like managing deliverables and creating engaging relationships with stakeholders. The primary components of project planning will be laid out and described in detail. Students will explore teams and organizational structures. They will discover project management tools and innovation being used in the industry. Overall, they

will develop a greater understanding of the mechanisms that are in place to effectively carry out projects of any size through specific project management techniques.

ARTS AND COMMUNICATIONS TRACK

Graphic Design

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

This Graphic Design course is an introduction to elements of design, spatial relationships, typography, and imagery as they apply to practical visual solutions for self-promotion, resumes, logo design, web design, and sequential systems. In this course, students will explore the principles and elements of design through visual projects. Students will work with both analog and digital media as they explore two-dimensional and three-dimensional design and color theory. This course will improve students' ability to communicate visually. Students are given the room to express new technical skills in their own creative ways.

Digital Media

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. The course is oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module ends with a culminating task (such as a podcast or short film). Students will be able to draft and develop projects as they build their skills over each lesson.

BUSINESS TRACK

Career Exploration in Finance

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

This course introduces students to the challenging and lucrative world of finance through a review of key financial terms and various groups, positions, and roles within financial institutions. Students learn about resumes, interviews, and networking, and discuss ethics on Wall Street and the role of finance within society.

Introduction to Business

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

This course introduces students to basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

HEALTH SCIENCES TRACK**Career Exploration in Healthcare**

(Catholic Virtual Course)

9th -12th .05 credit 4.0

Prerequisite(s): None

This course introduces students to the exciting and varied career opportunities in the healthcare industry by introducing roles and tasks, identifying education and skills needed, determining responsibilities of roles which support or supervise positions, and analyze legal and ethical responsibilities, limitations, and implications for each of these professions.

First Aid and Safety

(Catholic Virtual Course)

9th -12th 0.5 credit 4.0

Prerequisite(s): None

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

INFORMATION TECHNOLOGY TRACK**Introduction to Information Technology**

(Catholic Virtual Course)

9th -12th 1 credit 4.0

Prerequisite(s): None

This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.