# Freshman Courses--REQUIRED 

## English I

(03220100 ENG 1)
9th 1 credit 5.0

## Prerequisite(s): None

Course Description: Freshmen English students will receive comprehensive instruction in writing and an in-depth review of grammar with emphasis on clauses, verbals and usage. Advanced expository, descriptive, narrative, and persuasive writing is combined with literature. Students will be required to produce at least one typed essay per nine weeks. In addition, students will produce a research paper during the second semester. Attention is given to MLA style and proper grammar. The reading requirement is intensive and includes classical works such as Romeo and Juliet and The Count of Monte Cristo, selected Greek Myths, and modern selections such as To Kill A Mockingbird, and other works from around the world and United States.


#### Abstract

Algebra I (03133500 ALG 1) 9th Grade 1 credit 4.0 Prerequisite(s): Pre-Algebra or 8th grade mathematics Course Description: Students will build on the knowledge and skills of 6-8 mathematics which provided a foundation in linear relationships, number and operations, and proportionality. Students will study linear, quadratic, and exponential functions and connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. Students will be required to use technology when appropriate. Successful completion provides students with the foundation to continue their study of mathematics to Geometry.


## Geometry

(03100700 GEOM)
9th -11th $\quad 1$ credit 4.0
Prerequisites: Algebra I
Course Description: This course will teach the concepts of geometric thinking and spatial reasoning, geometric figures and their properties in two as well as three dimensions, the relationship between geometry and other mathematics and other disciplines, geometric structure, analyzing geometric relationships in order to make and verify conjectures, logical reasoning, and problem solving involving geometry, geometric patterns, coordinate systems, congruence, similarity, and the geometry of size. Students will be required to use technology when appropriate. Algebra I concepts will be used regularly during this course.

## Biology I

(03010200 BIO)
9th -11th $\quad 1$ credit 4.0
Prerequisite(s): None
Course Description: Biology is a laboratory course that investigates patterns, processes, and relationships of living organisms through biological structures, functions, and processes; mechanisms of genetics; biological evolution; and interdependence within environmental systems. Labs are conducted using microscopes, dissection, and investigative experiments in different areas to include zoology, anatomy, and physiology.

## World Geography Studies

(03320100 W GEO)
$9^{\text {th }} \quad 1$ credit $\quad 4.0$
Prerequisite(s): None
Course Description: The World Geography course is designed to help the student understand how physical environment affects the Earth. They will understand the patterns and characteristics of major landforms, climates and ecosystems of Earth and the interrelated processes that produce them. The student will also study cultural geography, learning how political, economic, and social processes have shaped the characteristics of world regions. They will understand types and patterns of settlement and the geography behind history. They will learn about population growth, distribution, and movement. The student will also learn how people, places, and environment are interdependent.

## Theology I

(Local Course THEO 1)
$9^{\text {th }} \quad 1$ credit $\quad 4.0$
Prerequisite(s): None
Course Description: The Revelation of Jesus Christ in Scripture. This course provides students with an opportunity to encounter the living Word of God, Jesus Christ through study of the Bible and to grow in the knowledge and love of Jesus Christ. It is designed to be the foundation course in Theology for the remainder of the student's high school curriculum.

## Spanish I

(03440100 SPAN 1)
9th -12th $\quad 1$ credit 4.0
Prerequisite(s): None
Course Description: Students need to have a strong background in English grammar. Spanish I focus is to bring the learner up to the novice level (low) to include the following: produce learned words, phrases, and sentences when speaking and writing, detect main ideas in familiar material when listening and reading, and recognize the importance of acquiring accuracy or expression by knowing the components of the language, including grammar. Focus of language learning is in the present tense, with an introduction to Preterit (past) tense in second semester. Three hours of study per week outside the classroom is
required.

## Latin I

(03430100 LATIN 1)
9th-12th $\quad 1$ credit $\quad 4.0$
Prerequisite(s): None
Course Description: The first year of Latin study introduces students to an intense grammatical study of the classical language. Students will also discover the difference between ecclesiastical Latin and classical Latin. Students will study some elements of the culture of the Roman Empire. Utilizing their knowledge of the language, students will have the opportunity to translate some original works.

## Elective Courses

## Art I

## (03500100 ART 1)

9th -12th $\quad 1$ 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.

## 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 performancebased 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 $\quad 1$ 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.

## 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.

## Foundations of Personal Fitness <br> (PES00052 PEFOUND) <br> 9th -12 th 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 heath, 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 $\quad 1$ 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.

## ARCHITECTURE/ENGINEERING TRACK

Smart Cities: Technology and Applications
(Catholic Virtual Course)
9th -12th $\quad 0.5$ credit $\quad 4.0$

## 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 $\quad 4.0$
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 <br> Graphic Design <br> (Catholic Virtual Course) <br> 9th -12th 0.5 credit $\quad 4.0$

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

(HTCHS Course)
9th -12th $\quad 0.5$ credit $\quad 4.0$
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 $\quad 4.0$
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 $\quad 4.0$
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 $\quad 0.5$ 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 lnformation 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.

