

SENIOR COURSE DESCRIPTIONS 2022-2023

REQUIRED COURSES

RELIGION IV - 644

This course presents foundational theological concepts of the Catholic Faith as well as practical application of those concepts. With particular emphasis on the Catechism of the Catholic Church and Veritatis Splendor, this course provides the formation necessary to live a moral life and a foundation to pursue advanced theological studies. This course also presents an opportunity to understand and explain different aspects of our faith through research, oral presentations, and debates.

RELIGION IV DE- 643

What is the right thing to do? How have thinkers and theologians approached this question throughout history? Is it possible to think and speak rationally about our ethical choices in a way that is consistent with our values and beliefs? We will address these questions as we study various frameworks for ethical thinking. We will examine the foundations of ethical thinking and consider how different ethical approaches build on that foundation. Our central focus will be on the work of Aristotle and Aquinas. We will also consider Utilitarianism, Libertarianism, Immanuel Kant's Categorical Imperative, and John Rawls' theory of social contracts. The spring semester of this course is a college level course offered through Nicholls State University. Students will receive 3 hours of college credit for Humanities 120: Ethics in the Humanities (Introduction to Ethics). *\$150 fee for this course is billed through Nicholls State University.*

Prerequisite: Qualify as a dual enrollment student (ACT Composite of 19, English subscore of 18, Math subscore of 19, 2.5 GPA, and at least 15 years of age)

Grade 12

ENGLISH IV SKILLS – 041

This course is designed to teach the English Language Arts standards of Reading, Writing, Speaking and Listening, and Language in a small group environment that seeks to support the students' capabilities. Teachers use the myPerspectives series by Pearson. Each Unit focuses on an Essential Question: What makes a hero? How do people come to have different views of society? How do our attitudes toward the past and the future shape our actions? Within the units students are taught to apply skills to various texts and use textual evidence in their numerous Performance Tasks which culminate in a Performance-Based Assessment at the end of each Unit. Pacing, reading selections, and depth of content are adjusted by the teacher based on the students' abilities.

Prerequisite: Must be enrolled in VCH Resource Program

There is a fee for this course.

ENGLISH IV - 044

This course is designed to teach the English Language Arts standards of Reading, Writing, Speaking and Listening, and Language in an environment that supports the students' development and encourages them to read texts of different types such as short stories, news articles, informative essays, narrative nonfiction, and dramas. Teachers use the myPerspectives series by Pearson along with selected Trade Books that correspond to each Unit of Study. Each Unit focuses on an Essential Question: What makes a hero? How do people come to have different views of society? How do our attitudes toward the past and the future shape our actions? Within the units, students are taught to apply skills to various texts and use textual evidence in their numerous Performance Tasks which culminates in a Performance-Based Assessment at the end of each Unit.

ENGLISH IV AP - 046

English Language and Culture is an AP honors course that emphasizes mastery of composition, grammar / usage, and speech skills and includes a survey of British literature. Students are required to write in several different forms about the selections read and to do a research project using MLA guidelines on a British author and his works. There is a fee for this course.

English IV DE- 052

This is a college level course offered on our campus through Fletcher Technical Community College. The students will receive credit from both Fletcher (English 1010 and 1020) and Vanderbilt (English IV) upon successful completion of the course. The college level courses are English 1010- English Composition I (3 hours college credit) in the Fall Semester and in the Spring Semester English 1020- English Composition II (3 hours college credit). There is a \$270 fee/semester for this course which is billed through FTCC.

Prerequisite: English III, Qualify as a dual enrollment student (ACT Composite of 19, English subscore of 18, Math subscore of 19, 2.5 GPA, and at least 15 years of age)

Grade 12

ENGLISH IV DUAL ENROLLMENT/AP- 058

English Language and Culture is an AP honors course that emphasizes mastery of composition, grammar usage, speech skills, and includes a survey of British literature. Students are required to write in several different formats about the selections read and are required to do a research project using MLA guidelines on a British author and his works. Students will be enrolled in English 2200 (Major British Writers) in the Spring Semester. The students will receive credit from both Vanderbilt (1 Carnegie Unit) and FTCC (3 College Credit Hours) upon successful completion of the course. *\$270 fee is billed through Fletcher Technical Community College.*

Prerequisite: English III PreAP and an ACT or Pre-ACT English subscore of 32 or English III PreAP and concurrent enrollment in English 1020 in the Fall Semester, or English III-PreAP and successful completion of English 1020 prior to the Fall Semester.

ALGEBRA II - 134

This course is a study of sets, the field of real numbers, linear equations and inequalities in one variable, functions and graphs, quadratic equations, factoring, exponents, radicals, complex number systems, and systems of equations and inequalities. Importance is placed on understanding graphs, data analysis, and problem solving. It is recommended that students have completed Geometry prior to enrollment.

PRACTICAL ADVANCED MATH I – 142

Practical Advanced Math I is designed to meet the needs of students with learning differences who wish to extend their knowledge of mathematics and to prepare for college-level algebra. The course focuses on the graphical and analytical behavior of trigonometric, exponential, and logarithmic functions. Increased importance is placed on understanding graphs, data analysis, and problem solving. A smaller teacher to student ratio is desired to better meet student needs.

Enrollment is limited to students currently in Practical Algebra II.

ADVANCED MATH I - 144

Advanced Math I is designed to meet the needs of students who wish to extend their knowledge of mathematics or who intend to enroll in calculus or college algebra. The course focuses on the graphical and analytical behavior of functions with emphasis on trigonometric, exponential, and logarithmic functions. Increased importance is placed on understanding graphs, data analysis, and problem solving.

Prerequisite: Algebra II

PRE-CALCULUS LVI - 137

Precalculus LVI is designed to meet the needs of students who wish to extend their knowledge of mathematics or who intend to enroll in calculus or college algebra. The course focuses on the graphical and analytical behavior of functions with emphasis on the polynomial, rational, trigonometric, exponential, and logarithmic functions. An introduction to conics, sequences, and series is also included. Increased importance is placed on understanding graphs, data analysis, and problem solving.

Prerequisite: Algebra II LVI or teacher recommendation and approval of administration

ADVANCED MATH II – 145 – FUNCTIONS AND STATISTICS

Advanced Math II is designed to meet the needs of students who wish to extend their knowledge of mathematics and prepare the student for college algebra. Topics included advanced algebra, polynomial, rational, exponential, and logarithmic functions. Conic sections, sequences, and series are also covered.

Prerequisite: Advanced Math I

CALCULUS LVI – 147

Calculus is an honors course with emphasis on the development of the concepts of calculus and providing experience with its methods and applications. The course develops a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Topics focus on functions, limits, derivatives, and integrals.

Prerequisite: PreCalculus LVI or approval from Department Chair

ADVANCED MATH II DE- 136

This course will include two college level courses- Trigonometry (CMAT 1223) and Introductory Statistics (CMAT 1303). Trigonometry will focus on Trigonometric functions and graphs; inverse trigonometric functions; fundamental identities and angle formulas; solving equations; triangles with applications; polar coordinate system. Introduction to Statistics will focus on Descriptive statistics; probability; discrete and continuous (including the binomial, normal and T) distributions; sampling distributions; interval estimation; hypothesis testing; linear regression and correlation. Trigonometry will occur in the Fall and Statistics in the Spring semester, with each course being 3 hours of college credit upon successful completion. *\$270 fee per semester is billed through Fletcher Technical Community College.*

Prerequisite: Qualify as a dual enrollment student (ACT Composite of 19, English subscore of 18, Math subscore of 23, 2.5 GPA, and at least 15 years of age)

ALGEBRA III DUAL ENROLLMENT- 140

Math 1010/1020- Algebra III is a dual enrollment course taught on our campus through Fletcher Technical Community College. The course is facilitated by one of our instructors, using the course syllabus, recorded lessons, and tests given by the university. The course is broken up into two semesters. The first semester is Math 1010--College Algebra. The second semester is Math 1020--Trigonometry. The students will receive credit from both Vanderbilt (1 Carnegie Unit) and FTCC (6 total hours of College Credit) upon successful completion of the course. *\$270 fee per semester is billed through Fletcher Technical Community College.*

Prerequisite: Algebra II, ACT composite of 19, ACT Math subscore 21 or higher

CIVICS - 244

Civics is the study of the American government's foundations, institutions, and operation, and of students' relationship to government. Emphasizes the need for patriotism, civic-mindedness, loyalty to nation, community, and respect for the law. Stresses appreciation for the rights of Americans and recognition of the obligations these rights demand.

US GOVERNMENT AP – 249

This course is designed to continue your education about what it means to be an American citizen. This course explores the political theory and everyday practice that direct the operation of our government and shape our public policies. The express purpose of the course is to prepare the student to complete the AP Exam for U.S. Government and Politics. The course requires a substantial amount of reading and preparation for every class meeting. *A \$95.00 course fee is required.*

CHEMISTRY II LVI - 348

This is an in-depth continuation of the study of general chemistry concepts, including solutions, reaction rates, equilibrium, acids and bases, redox reactions, and introductory organic chemistry. This course includes increased lab activity.

Prerequisite: Chemistry I LVI or recommendation of the Chemistry I instructor

BIOLOGY II LVI - 337

Biology II is an honors level, college preparatory course in human anatomy and physiology. It involves an in-depth study of the structural and functional relationship of the human organism at the cellular, tissue, organ, and system levels. Demonstrations, individual research, models, audiovisuals, and a detailed dissection of specimens with correlation to human anatomy to reinforce classroom lectures are employed. This is an accelerated course with an emphasis on outside readings/research, additional laboratory work, and additional "cold-read" assessments.

BIOLOGY II On-Level – 339

Biology II is a college preparatory course in human anatomy and physiology. It involves the study of the structural and functional relationship of the human organism at the cellular, tissue, organ, and system levels. Demonstrations, models, audiovisuals, and a detailed dissection of specimens with correlation to human anatomy to reinforce classroom lectures are employed.

BIOLOGY II DUAL ENROLLMENT- 323

General Biology- Bio 1030 (lecture 3 credit hours) and Bio 1031 (lab 1 credit hour) will be taken in the Fall and **Anatomy and Physiology (A&P) A&P 1** is BIOL 1140/1150 (lecture/lab) will be taught in the Spring. These courses are taught online through FTCC with our teacher facilitating and remediating as needed. The cost for each semester would be approximately \$360, this will be billed directly through FTCC.

Prerequisite- Juniors who are currently enrolled in Math and Science Honors Courses or Seniors who qualify for Dual Enrollment (ACT Composite of 19, English subscore of 18, Math subscore of 19, 2.5 GPA, and at least 15 years of age) with an interest in Science.

PHYSICS – 344

This is a basic physics survey course that includes the study of classical mechanics, optics, acoustics, special relativity, quantum behavior, electricity and magnetism, radioactivity, and wave theory. The course integrates laboratory work with problem solving to promote reasoning skills and to develop the ability to express concepts in both mathematical and non-mathematical language. Concurrent enrollment in trigonometry or advanced math is beneficial.

Prerequisites: Chemistry, Algebra II, and Geometry

PHYSICS LVI - 347

This course offers an accelerated presentation, increased depth of key topics, advanced mathematical treatment of problems, and method of testing. Emphasis is placed on developing reasoning skills over memory. Concurrent enrollment in advanced math or calculus is beneficial.

Prerequisite: Chemistry and Pre-Calculus or Advanced Math I

ENVIRONMENTAL SCIENCE – 320

Environmental science is a senior level course in which students will explore and evaluate alternatives to the existing environmental conditions in terms of scientific or technological feasibility, cost, the effect on the economy, and the quality of life in the community. In cases in which environmental improvement is desirable, the students will develop and evaluate proposals for achieving desired improvement. The environmental conditions studied may involve natural resource use, waste disposal, or pollution (air, water, land, visual or sound) issues.

Students must be currently enrolled in Practical Math or previously enrolled in Practical Chemistry to schedule this course.

FOREIGN LANGUAGE COURSES

FRENCH I - 514

This is a basic survey course in French stressing three major areas: listening and comprehension, reading and writing, and enrichment through the study of geography and culture.

FRENCH II – 524

This is an advanced study of new French vocabulary, pronunciation, and grammar with emphasis on verbs and tenses. The course also includes a concentrated study of French culture and oral dialogues via textbooks, workbooks, films, and videos.

Prerequisite: French I

FRENCH III – 534

This is an in-depth study of sentence structure and vocabulary. An emphasis is placed on conversation and reading skills. Enrichment blends the reading of selected, abridged classics with further exposure to French history and culture.

Prerequisite: French II

FRENCH IV - 544

This is a continuation of French III with emphasis on conversation and reading skills.

Prerequisite: French III

SPANISH I - 515

This is an introductory course stressing reading, writing, speaking, and listening. Major emphasis is placed on vocabulary, grammar, and pronunciation. An introduction to the cultures of Mexico, Central America, and South America is included.

SPANISH II – 525

This course entails practice and mastery of four basic language skills learned in Spanish I. Included are additional vocabulary, the study of more advanced grammatical structures, and an introduction to Spanish culture.

Prerequisite: Spanish I

SPANISH III – 535

Spanish III places an emphasis on the different tenses of Spanish verbs and the finer points of grammar. Cultural enrichment is continued through the study of Spanish and Latin American literature. This course is mainly taught in Spanish

Prerequisite: Spanish II

SPANISH IV – 545

This is a mastery course in Spanish studying advanced grammar with emphasis on reading, writing and comprehension skills. This class is taught mainly in Spanish. (*Dependent on enrollment and scheduling*)

Prerequisite: Spanish III

LATIN I - 516

This is an introduction to classical studies through the mother tongue of the Romance language. The course emphasizes vocabulary and essential grammar in connection with drills in pronunciation so that students may begin reading and speaking basic Latin

LATIN II – 526

This is a continuation of grammar and vocabulary with the goal of reading Latin authors through the mastery of the fundamentals of prose, concentrating on Caesar's Commentaries, and an introduction to poetry, with selections of Ovid.

Prerequisite: Latin I

LATIN III – 536

The Golden Age of Latin Literature is studied. While special attention is given to Cicero and Vergil, students also translate selections of Pliny, Catullus, and Horace and continue their study of history, mythology and culture of the Roman world.

Prerequisite: Latin II

LATIN IV – 546

This course is a continuation of Latin III with the study of history, mythology, and culture of the Roman world. Translation will also be an important element of the course. (*Dependent on enrollment and scheduling*)

Prerequisite: Latin III

AMERICAN SIGN LANGUAGE I – 570

This is an overview of American Sign Language (ASL), its basic vocabulary, structure, syntax and grammar. Students will focus on mastering the basics of fingerspelling, numbers, colors, facial grammar and sentence structure; students will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with deaf/hard-of-hearing native users of the language. Introductory information about deaf culture will also be presented to provide students with a broad picture of language and culture.

Limited to resource students only. A \$75 course fee is required.

AMERICAN SIGN LANGUAGE II - 572

This is the second year of American Sign Language (ASL) and a continuation of ASL I. This course develops receptive and expressive ability and allows recognition and demonstration of more sophisticated grammatical features of American Sign Language (ASL). Increases fluency and accuracy in fingerspelling and numbers.

A \$75 course fee is required.

Prerequisite: ASL I

ELECTIVE COURSES

INTERACTIVE MEDIA ARTS- 809

This course will introduce students to the theory and fundamentals of using Apple's Logic Pro X software and the hardware tools for recording and producing music during the first semester. The class will stress application and creative content, using a series of creative activities and projects which will provide students exposure to performing with electronic instruments, multi-track recording (both MIDI sequencing and live instruments), music arranging, generating performance materials for others, and equipment configuration. In the second semester we will move into the utilization of Final Cut Pro video editing software. Students will learn the key features for Video and Audio Editing and learn elements for creating professional videos with the use of transitions and effects, titles and motion graphics, color correction, 360 Video and Media Management. The implementation of Adobe Photoshop and the use of digital cameras and drones will be infused throughout the curriculum. **(full year, one unit of art credit) Grades: 9 – 12**

TV/FILM PRODUCTION- 088

This course will examine the history of radio and television, the basic workings of television and the camera, the language of motion pictures, as well as the production and post-production process. The class will write and produce video news programs and public relations videos. Each student will have hands-on experience with each phase of production. **An application is required. (full year, one unit of credit) Grades: 9 – 12**

ADVANCED TV/FILM PRODUCTION- 089

This is a project-based course designed to prepare students for more advanced television production utilizing studio and field production techniques. Students working individually as well as in teams will gain experience in all phases of studio and field production including multi-camera production, video editing, graphics, lighting, and audio. The course is designed around real work situations. Students will develop the ability to produce professional projects for real world situations. The course is intended to allow students to think creatively while meeting client expectations. Students must complete 25 hours of teacher approved work in addition to the instruction time.

An application is required. (full year, one unit of credit) Grades: 10 – 12

GRAPHIC DESIGN I- 843

This is an introductory course to graphic design elements, including the history of graphics in modern advertising and typography. There will also be a brief introduction to animation, layout design and digital photography. Assessments will be product based with a focus on Adobe Illustrator and Photoshop. Students will have the opportunity to be Adobe Certified upon the completion of this course. **A \$75.00 lab fee is required. (full year, one unit of credit) Grades: 9 – 12**

GRAPHIC DESIGN II- 839

Prerequisite- Graphic Design I. Students will use skills acquired in Graphic Design I including their knowledge of Adobe to create design layouts and conceptual elements concerning graphic design projects through the production of posters, advertisements, logos, portfolios and brochures. This course will be project based using the Adobe Suite.

A \$75.00 lab fee is required. (full year, one unit of credit) Grades: 10 – 12

PUBLICATIONS I- 076

This is a publications class which teaches journalistic writing, layout design, and other techniques necessary for the publication of the yearbook.

Enrollment is by selection and permission of the yearbook moderator. An application is required. (full year, one unit of credit) Grades: 10 – 12

PUBLICATIONS II- 086

Students will be responsible for business and management of Yearbook Production, creation of school social media posts which include Facebook, Instagram, SmugMug, School Website and local media. Students will also create a weekly flier to be distributed electronically to the students.

Prerequisite: Publications I

Enrollment is by selection and permission of the yearbook moderator. An application is required. (full year, one unit of credit) Grades: 11 – 12

COMPUTER APPLICATIONS/CODING- 164

This course stresses basic keyboarding skills, Word, Excel, PowerPoint and Google App, Google Sites and Google Certification. It provides instruction in using a personal computer and networking skills as a tool to simplify life as a student or an employee. It will focus on HTML (Hyper Text Markup Language) and CSS. Students will be able to use HTML and CSS to write code in order to make responsive web pages that are compatible on multiple devices. Students will also be able to make drawings and animation using code.

(full year, one unit of credit) Grades: 9 – 12

ADVANCED COMPUTER APPLICATIONS/ VIDEO GAME CREATION & C# CODING - 163

This course is a practical and conceptual utilization of game design and development. The juxtaposition between theory and practice is a cornerstone of the course and you will have ample opportunities to try out concepts and theories. Individually or in small groups, you will design, develop and test a beta version of 2D and 3D games. After successful completion of the course, you will- Understand and Master basic game development produce, test and present a beta version of a game of your own design, use the Unity Editor to create interesting game levels, create game scripts using C# and the Unity API, understand the fundamentals of using 2D and 3D graphics, become acquainted with advanced topics such as shaders, physics, AI, and Network based games, understand the process of game development from idea to beta version.

Prerequisite: Computer Applications/Coding or Permission from instructor

(full year, one unit of credit) Grades: 10 – 12

WORLD GEOGRAPHY - 224

This course is designed to present a broad overview of information and processes through which people attempt to understand the spatial arrangements and interaction of land, water, climate, people, and culture over the earth. World Geography relates physical geography to cultural, social, political, and economic activities.

PSYCHOLOGY I - 294

This course introduces basic psychological theories and terms and will cover topics including: an introduction to major figures in psychological history, areas of study in psychology, consciousness, sleep, dreams, hypnosis, the physical effects of drugs on the body, mental illnesses, the influence of groups on our behavior, aggression, ESP and why people believe in the supernatural, thought processes, and memory systems. **(One-half unit of credit, one semester)**

Grades: 9 – 12

PSYCHOLOGY II - 295

This is a theory course studying the science of psychology. Topics covered will include Freud's Theory of Personality, personality theories since Freud, the brain and behavior, child development, adolescent development, psychotherapy, psychological testing, and case histories. **(One-half unit of credit, one semester) Grades: 9 – 12**

SOCIOLOGY -- 232

Introduction to Sociology is a one semester course intended to give you a broad picture of the field of sociology with an emphasis on preparation for college and critical thinking. The course will offer you a set of intellectual tools with which to more accurately understand the society in which you live. Group activity, work, and cooperation are emphasized.

(One-half unit of credit, one semester) Grades: 9 – 12

MAKING MUSIC - 802

This class offers the band experience at the introductory level. This class is for students who have no experience and want to learn an instrument with no required musical performances. The instruments taught are flute, clarinet, saxophone, trumpet, trombone, tuba and percussion. No experience is necessary – only the will and desire to play an instrument. Musical topics are introduced such as reading, music notation, analyzing and evaluating music. The students will be given the opportunity to participate in the marching band and concert band, but not required. There is no fee required, and students will try all of the instruments at the beginning of the course before settling on their selection.

(One unit of art credit, full year) Grades: 8– 12

BAND/BRASS – 799

Instruction focuses on basic music theory, ear training, technique development on trumpet, French horn, trombone, baritone/euphonium, or tuba. Students will perform in the marching band and symphonic band. Required performances include football games, marching contests and festivals, Mardi Gras parades, Christmas and Spring Concerts, and concert festivals. Students are required to attend two weeks of summer band camp, after school and summer rehearsals. ***There is a \$350 required band fee.***

BAND/WOODWINDS - 710

Instruction focuses on basic music theory, ear training, technique development on flute/piccolo, soprano and bass clarinet, alto/tenor/and baritone saxophones, and oboe/bassoon. Students will perform in the marching band and symphonic band. Required performances include football games, marching contests and festivals, Mardi Gras parades, Christmas and Spring Concerts, and concert festivals. Students are required to attend two weeks of summer band camp, after school and summer rehearsals. *There is a \$350 required band fee.*

BAND/BATTERY PERCUSSION - 753

Instruction focuses on basic music theory, ear training, technique development on snare/tenor/and bass drums, timpani, and hand percussion. Students will perform in the marching band and symphonic band. Required performances include football games, marching contests and festivals, Mardi Gras parades, Christmas and Spring Concerts, and concert festivals. Students are required to attend two weeks of summer band camp, after school and summer rehearsals. Battery Percussion students will have the opportunity to audition for the Indoor Percussion Ensemble, one of the Elite Competitive Ensembles. *There is a \$350 required band fee.*

BAND/KEYBOARD PERCUSSION - 774

Instruction focuses on basic music theory, ear training, technique development on marimba, vibraphone, xylophone, concert bells, chimes, and hand percussion. Students will perform in the marching band and symphonic band. Required performances include football games, marching contests and festivals, Mardi Gras parades, Christmas and Spring Concerts, and concert festivals. Students are required to attend two weeks of summer band camp, after school and summer rehearsals. Keyboard Percussion students will have the opportunity to audition for the Indoor Percussion Ensemble, one of the Elite Competitive Ensembles. *There is a \$350 required band fee.*

DANCE - 765

Students in this class form the dance team (Vantastics) which is part of the band department. Required performances include but are not limited to football games, parades, dance competitions, and marching festivals. Students are selected to the Vantastics by audition. *There is a \$350 required band fee. (one- half unit of Pass/Fail credit, one semester)*

MIXED CHOIR – 761

Mixed Choir is a performance group. This class is considered a co-curricular activity involving out of school rehearsals and performances. Students will be required to purchase/rent uniforms and participate in fund-raising activities. Students will review basic singing and choral techniques and move to more advanced sight-reading material and choral repertoire. Nominal activity fees may be required throughout the year.

Prerequisite: Audition or permission of the instructor. Grades: 8– 12

THEATRE- 070 full year / 078 Creative Communication (Fall)/ 071 Acting (Spring)

This course will be an exploration of principles of interpersonal communication and ways of understanding how or why we communicate the way we do. Students will prepare and deliver a variety of speeches- informative, convincing, thought-provoking and entertaining. Students will be challenged to think and listen critically and analytically. Learning to act/perform will allow students to develop an awareness of their response to emotion in order to truthfully recreate these responses appropriately. Emphasis will be on personalization, analysis and dynamics of performance-self, voice, emotion and imagination. These skills and techniques will be used to bring characterization to life.

Course is contingent upon enrollment and instructor availability. Grades: 9– 12

ART I - 811

Art I is a basic introduction to art requiring no prerequisites. The course covers introduction to drawing, painting, graphics, and sculpture through the use of various media--pencil, scratchboard, charcoal, ink, tempera, linoleum block, and papier- mâché. Presents basic design and color theories, as well as slides and lectures concentrating on early cultures of art history. *A \$90.00 lab fee is required.*

ART II - 821

Art II reinforces Art I skills and introduces new media. The course includes painting, drawing, graphics, and various sculpture techniques. Slides and lectures are presented on classical cultures and important periods in art history as well as individual artists. *A \$90.00 lab fee is required.* Students must also provide their own paper and film for photography.

Prerequisite: Art I

ART III - 831

Art III emphasizes problem solving in art and encourages a more professional use of media, with emphasis on creativity and craftsmanship. Slides and lectures are presented that concentrate on modern movements and styles in art as well as individual artists. Basics include drawing, painting, graphics, and photography. *A \$90.00 lab fee is required.* Students are required to provide their own paper and film for photography.

Prerequisite: Art II

ART IV - 841

Designed for the serious advanced student, Art IV encourages a more personal style and individual direction. Outside independent student work is required. *A \$90.00 lab fee is required.* The student must provide photographic film and paper.

Prerequisite: Art III

FINE ARTS SURVEY - 807

This course will give an overview of Music, Dance, Art, and Theater. The music and dance portion of this course will begin with music from the 1920's to current trends focusing on major influencers throughout modern history. The dance portion will parallel the music of the time periods, beginning with Charleston and Foxtrot spanning to current Hip Hop trends. The art and Theater portion of this course will focus on famous artworks and artists throughout history as well as historical Theater spanning through current Musical Theater. **Grades: 9– 12**

PHOTOGRAPHY - 813

This is an introduction into photography including camera usage, knowledge of composition, developing black and white film into negatives and photos, and the use of digital media. *This class requires a \$50.00 fee for supplies and materials.* **(One-half unit of credit, one semester) Grades: 10– 12**

PERSONAL AND FAMILY FINANCE – 849 / 851

This course informs students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

(849: full year, one unit of credit) (851: One-half unit of credit, one semester) Grades: 9 – 12

PROJECT LEAD THE WAY- PLTW (Introduction to Engineering) - 351

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

Full year credit offered to Juniors with a minimum of a B average in Math and Science and Seniors with an interest in Engineering.

PROJECT LEAD THE WAY- PLTW (Aeronautics) - 352

Students explore the physics of flight and bring what they're learning to life through hands-on projects like designing a glider and creating a program for an autonomous space rover. **(full year, one unit of credit) Grades: 11-12**

BASIC CAD MACHINE SKILLS (353)

This course consists of comprehensive instruction and exercises on foundation building courses for fields such as manufacturing, engineering, and quality. Upon completion of each module the student will be required to demonstrate knowledge comprehension and learned skills through interactive exercises and online testing. Badges are awarded to each successfully completed course with an average grade of 80%. Upon successful completion of all courses at 80%, or greater a Certificate of completion will be awarded. Students will earn a Level I NIMS Certification.

(full year, one unit of credit) Grades: 11-12

BUSINESS LAW- 858

Business Law is a semester course designed to provide students with a solid foundation in understanding the legal issues related to topics of business law. Areas of study will include how laws were formed, procedures in civil and criminal cases, making contracts, terminating contracts, responsibilities of minors, being a consumer, purchasing power, purchasing insurance, personal and real property rights, starting a business and leadership skills.

(One-half unit of credit, one semester) Grades: 10 – 12

ACCOUNTING- 827

This course includes basic skills used in systematically computing, classifying, recording, verifying, and maintaining numerical data involved in financial records including the paying and receiving of money. The course will also include keeping financial records, summarizing for interpretation, and analyzing records to provide assistance to management for decision-making. Basic fundamentals and terminology of Accounting will be taught in order to provide initial understanding of the preparation of budgets and financial reports. Practical accounting problems with business papers will emphasize actual business records management.

(One-half unit of credit, one semester) Grades: 10 – 12

STUDY SKILLS I- 902 / STUDY SKILLS II- 905/ STUDY SKILLS III- 906/ STUDY SKILLS IV- 907

The course will start off the year with various study skills techniques (flashcards, graphic organizers, and useful apps) and a binder system to help organize students' notes and work. A reading intervention program called Achieve 3000 will also be utilized. Achieve 3000 provides differentiated instruction for nonfiction reading and writing that is tailored to each student's Lexile reading level.

Prerequisite: Must be enrolled in VCHS Resource Program. A fee is required.

ACT PREP – 860

This course assists in preparing for the ACT by reviewing basic skills, re-enforcing English and Math concepts, and familiarizing students with question types that commonly appear on the ACT test. Students will also be introduced to effective test taking strategies and have opportunities to practice questions and tests. Preparation will also build confidence, decrease anxiety, and assist students in maximizing their potential. Students must have previously earned credit in or are presently enrolled in Math Essentials, Algebra II or Algebra II LVI.

**Prerequisite: Credit in or enrollment in Algebra II, Algebra II LVI
(one- half unit of Pass/Fail credit, one semester)**

PHYSICAL EDUCATION IV - (Girls – 401 full year/402 half year) (Boys – 408 full year/409 half year)

This course is designed to promote physical fitness and encourage active participation. Emphasis on team and individual sports including soccer, whiffle ball, badminton, and other sports learned in earlier courses, as well as on lifetime sports such as horseshoes, golf, and kickball. Health topics include first aid, communicable diseases, mental health, CPR, drug abuse, nutrition, and conditioning. Assessment is measured using skills tests and written tests. **Senior enrollment in PE is limited to those who have not met credit requirements toward graduation unless granted permission by the administration.**

ATHLETIC PHYSICAL EDUCATION IV - 451 (Baseball)/ 453 (Basketball Boys)/

455 (Basketball- Girls)/ 459 (Softball)/ 469 (Football- H)/ 476 (Baseball-H)/

477 (Basketball-Girls-H)/ 478 (Basketball-Boys- H)/ 479 (Softball-H)/ 480 (Volleyball-H)/ 489 (Girls Soccer 10-12)/

490 (Girls Soccer 10-12 H)/496 (Soccer Boys 10-12)/ 497 (Soccer Boys 10-12 H)

Strength and Conditioning class will provide an opportunity for development of strength and conditioning for various sports and fitness related activities. *Students wishing to enroll in this class will need a recommendation from their coach.* Free weights, exercise machines and conditioning activities will be incorporated to promote improvement in strength, endurance, balance, agility, and speed. Students will lift according to the strength program, and will participate in conditioning activities. Proper technique, safety precautions and proper application of the Principles of Training will be emphasized. A plan to achieve goals will be developed and implemented during this year's long course.

EARLY DISMISSAL/WORK - 953(Full Year) / 951(Fall Only) / 952(Spring Only)

Seniors scheduled to earn at least 26 units by the end of the school year are allowed, with their parents' approval, to be dismissed at the eighth period for a semester or for the entire year. They are not allowed to linger on campus. No credit is given for early dismissal. Athletes are encouraged to schedule 7 classes due to eligibility guidelines.