



COURSE CATALOG

Mathematics

Pre-Algebra (1.0)

Pre-Algebra – Spanish (1.0)

Pre-Algebra was developed to ensure that students have a strong foundation in basic mathematical concepts prior to introducing them to more advanced topics. Pre-Algebra helps to fill in the holes in student understanding, providing them with a strong foundation of basic mathematical concepts upon which they can build. The Spanish version of this course incorporates English math terminology so that Spanish-speaking students can transition to the English language courses as effortlessly as possible.

Algebra (1.0)

Algebra is the foundation of all future math classes. Students will gain familiarity with the use of variables in algebraic expressions, problem-solving with single and multi-step equations; inequalities, systems of equations, exponents, and polynomials, factoring, as well as graphing linear, quadratic, radical, and exponential functions. In this course, students develop logical thinking skills for problem-solving that prepare them for future challenges. Algebra Spanish incorporates English math terminology so that Spanish-speaking students can transition to math classes taught in English as effortlessly as possible.

Geometry (1.0)

Geometry provides students with a knowledge of geometric concepts and guides them through the process of developing important mathematical reasoning and proof skills. Students also gain a perspective of how geometry is an integral part of everyday life.

Algebra II (1.0)

Algebra II builds upon the algebraic concepts taught in Algebra I, continuing on to functions, expressions, etc. and providing students with a more in-depth understanding of algebraic concepts.

Trigonometry (0.5)

Trigonometry students learn about the relationships between the sides and the angles of triangles and how to make calculations based on them using trigonometric functions.

College Exam Math Prep (0.5)

College Exam Math Preparation has been specially developed to help students prepare to take the math portion of the ACT or SAT college entrance exam. Students interact with problems similar to those presented in these exams. After each lesson students are presented with similar problems to enable them to practice the concepts.

Pre-Calculus (1.0)

Pre-Calculus covers the foundational skills needed for success in Calculus. Recommended for students planning to pursue a college career path, especially for those planning a career in STEM fields of study. Students will complete Algebra II and Trigonometry before taking this course.

AP Calculus AB (1.0)

Acellus AP Calculus AB provides students with an understanding of the advanced concepts covered in the first semester of a college Calculus course. Students gain an understanding of differential and integral Calculus and how they are used to solve real-world problems. Besides learning how to use the basic tools of Calculus, students completing this course learn on a deeper level what they are really doing and why it works. Acellus AP Calculus AB is taught by veteran AP Calculus teacher, Patrick Mara. This course has been audited and approved by the College Board. Students completing this course will be well-prepared for the AP Calculus AB Exam, enabling them to earn college credit for taking this course while yet in high school.

AP Calculus BC (1.0)

AP Calculus is a two-part advanced placement course providing students with the curriculum required by the College Board for AP Calculus AB and BC. Students completing this course will be able to take the AP Calculus exam, enabling them to earn college credit for taking this course while still in high school. Besides learning how to use the basic tools of Calculus, students completing this course learn on a deeper level what they are really doing and why it works. This provides insight few students experience in more conventional Calculus courses, empowering them with the knowledge required to solve real world problems. This course has been audited and approved by the College Board. Acellus AP Calculus BC is A-G Approved through the University of California.

AP Statistics (1.0)

AP Statistics has been audited and approved by the College Board to provide students with a college-level learning experience. In this course, students learn about the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students should successfully complete Algebra II prior to taking this course.

Business Math (1.0)

Students gain knowledge of the specific applications of mathematics in the business world. They begin with the mathematical aspects of personal business, and move into banking, real estate, vehicles, and insurance. They become familiar with manufacturing and employment costs, discounts, maintenance costs, professional services, marketing costs, and business accounting.

Language Arts

English I (1.0)

English I provides a detailed investigation of literary techniques and devices using classics from American and English literature as examples. It explains how to recognize these techniques and to incorporate them into writing. It also presents strategies for expanding vocabulary through reading and provides focus on grammar skills for advanced writing.

English II (1.0)

English II deepens students' understanding and appreciation of literature while developing their language and communication skills. Throughout the course, students engage with a variety of texts, including novels, short stories, speeches, poetry, and informational texts. They explore key literary elements and techniques, such as theme, characterization, figurative language, and author's purpose, and learn how these elements contribute to the overall meaning and impact of the texts. The course emphasizes the development of critical reading and writing skills, including active reading strategies, vocabulary analysis, grammar proficiency, essay writing, and research skills. By the end of the course, students will have honed their analytical and expressive abilities, enabling them to effectively engage with and interpret a wide range of literary and informational texts.

American Lit — English III (1.0)

American Literature offers a comprehensive exploration of the diverse literary landscape of the United States, spanning from the rhetorical foundations of early American documents to the modernist movements of the 20th century. Students analyze rhetorical strategies, study narrative and poetic elements, delve into Gothic literature, and examine works that spurred social reform. The course emphasizes developing analytical writing skills and grammatical composition. Students gain practical skills in research and professional writing.

British Lit — English IV (1.0)

British Literature is a robust high school English IV course for 11th and 12th grade students that examines British Literature as it has developed through the ages against an historical backdrop. It exposes students to classic works of fiction and nonfiction, including epics, legends, poetry, histories, novels, and drama from early Anglo-Saxon texts to post-modern pieces. In addition to the study of literature, the course includes four units focused on writing to give students practice in critical thinking which they translate into written analysis. A strong addition to the writing units is a detailed step-by-step guide through the process of writing a research report, reinforcing students' preparation for their future in college and/or a career.

College Prep — English IV (1.0)

As students transition from High School to College or into the work force, their ability to apply language arts skills in real-world scenarios becomes essential. In the College Prep-English IV course, students learn practical strategies for effective writing in college or on the job, including how to write scholarly essays, concise technical reports, compelling resumes, and professional business emails. Grammar, vocabulary, and spelling tips round out the course to empower college/employment-bound students for success in their post-high school endeavors.

AP Eng. Literature & Comp. (1.0)

AP English Literature and Composition is designed for students who have mastered the basic English curriculum and wish to be challenged by higher-level reading and analysis. It engages students in becoming skilled readers and writers of prose from a variety of rhetorical contexts. The course also includes AP Exam prep.

AP Eng. Language & Comp. (1.0)

AP English Language and Composition is designed for students who have mastered the basic English curriculum and wish to be challenged by higher-level reading and analysis. Students analyze and interpret good writing and apply effective strategies in their own writing while also preparing for the AP Exam.

Science

Intro to Physics & Chemistry (1.0)

In this comprehensive science course, students cover a wide range of topics related to motion, forces, energy, waves, matter, chemical reactions, and nuclear processes. They learn to interpret motion using graphical representations, calculate forces, mass, and acceleration, and apply engineering design principles. The course delves into energy types, calculations, and transformations, exploring heat transfer and real-world applications. Students study electricity, magnetism, chemical bonding, compounds, and chemical reactions, as well as explore elements and their properties on the periodic table. They investigate reaction rates, nuclear decays, and renewable and non-renewable energy sources with a focus on real-world implications and practical applications. Students engage in critical thinking, problem-solving, and experimental design to build a comprehensive understanding of physical and chemical processes in the world around them.

Biology (1.0)

Biology provides students with an introduction to the study of life. Students explore DNA, cells, organisms, and ecosystems. This course covers the requirements for life all over the globe and the interactions between living and non-living matter. Students will learn about the evolution of organisms and how genes are passed on through generations.

General Chemistry (1.0)

General Chemistry provides students with an introduction to the fundamentals of chemistry. Students build data analysis, critical thinking, and science communication skills while exploring various forms of matter, the composition of the atom, and organization of the periodic table. They learn about properties of matter and use patterns to predict the behavior of atoms undergoing chemical reactions. They understand chemical bonding and other interactions between atoms and molecules. They explore the laws of conservation of mass and energy through calculations, including stoichiometry and calorimetry. Students should take this course concurrently with, or after taking, Algebra II or Integrated Math III.

General Physics (1.0)

General Physics explores the nature of our physical environment and explains how natural phenomena occur in terms of mathematics. The course leads students through an investigation of matter and its motion through time and space, along with related concepts such as energy and force.

Honors Physics (1.0)

Honors Physics leads students through an investigation of matter and its motion through time and space, along with related concepts such as energy and force. Honors Physics was developed to help students build a strong foundation in basic physics prior to taking Advanced Placement Physics. Acellus Honors Physics helps to fill in holes in student understanding, helping them to create a strong foundation of general physics concepts upon which they can build.

Environmental Science (1.0)

Environmental Science provides high school students an introduction to the study of the natural world and how it is influenced by human activity. Students explore the patterns and processes of Earth and how these are affected by natural and human impacts. They study environmental problems that our planet is facing today and various efforts to solve these problems, ultimately understanding the need for a sustainable future.

AP Biology (1.0)

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigation and exploration. It is recommended that students complete Biology and Chemistry prior to taking AP Biology.

AP Chemistry (1.0)

AP Chemistry has been audited and approved by the College Board to provide students with a college-level learning experience. Structure and states of matter, intermolecular forces, and reactions are some of the topics covered. Students should successfully complete Chemistry prior to taking this course. AP Chemistry is especially recommended for those planning a college career path in a STEM field of study.

AP Physics (1.0)

AP Physics 1 is an algebra-based, introductory college-level physics course. Students expand their understanding of Physics through inquiry-based investigations as they explore many topics.

AP Environmental Science (1.0)

AP Environmental Science encourages students to engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Throughout the course and its lab sessions, students analyze environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. This interdisciplinary course, embraces topics from geology, biology, environmental studies, environmental science, chemistry, and geography. It is recommended for students who have completed Algebra I and two years of high school laboratory science.

History/Social Studies

United States History (1.0)

United States History provides a thorough examination of United States history from the days of reconstruction to modern America. Students explore significant events, social movements, and political developments that have shaped the nation's trajectory.

World History (1.0)

World History delves into the history of world civilizations. This course covers major events in history, from the dawn of civilization up through present-day. Students study the geography and populations of different areas as well as the major events that have shaped society while discussing how different cultures and conflicts have affected the world as we know it today.

World Geography (1.0)

World Geography investigates the earth in which we live, providing an in-depth look at the physical attributes of its lands and oceans, as well as how its climate and geographical features have shaped the culture and economy of the people that live in specific regions. Students explore how people deal with difficult environments and how they use their environment to their advantage. They investigate geography-related challenges that lie ahead, as well as physical resource management. This course provides high school students with a strong foundation in world geography helping them to better understand the world around them.

US Government and Civics (0.5)

US Government and Civics introduces students to the fundamental principles the U.S. Constitution is based upon, and how our government is run today. Throughout this course, students study the founding of our country, how and why the American Revolution began, and how the law of our land was formed. They also learn about the rights and duties of American citizens.

Economics (1.0)

Economics provides students with an introduction to the foundational principles of the economics of the world. Instruction ranges from markets and demand, GDP, banking, policy, inflation, and unemployment, to trade, currency and competition.

Psychology (1.0)

Psychology introduces students to the science of psych. Students learn foundational knowledge regarding the scientific method, and human anatomy, and apply this to the study of memory, learning, stress, thought and personality, and states of consciousness. Students also analyze common psychological disorders and career paths within the field of Psychology.

Epic Moments in World Hist. (1.0)

Epic Moments in World History is an elective History course that takes students through the beginnings of civilization, to the present day, looking into just how our global society has evolved into the world we now live in.

AP World History (1.0)

Students explore the major themes and skills necessary to analyze historical events and developments. The course is divided into nine units, each focusing on a different period and topic in world history. The units delve into specific topics such as trade networks, land-based empires, transoceanic interconnections, revolutions, consequences of industry, global conflict, Cold War and decolonization, and globalization. Students examine the expansion of trade, the rise and strategies of land-based empires, the exploration and colonization of the Americas, Africa, and Asia, the Age of Revolutions, the consequences of industrialization, global conflicts in the 20th century, the Cold War and decolonization, and the processes and effects of globalization.

Throughout the course, students analyze causation, explore different cultures and civilizations, compare and contrast societies, and examine the interconnectedness of historical events and developments. By the end of the course, students have gained a comprehensive understanding of world history and the ability to analyze and interpret historical phenomena.

AP US History (1.0)

AP United States History students learn about the developments that have shaped United States history through the critical analysis of historical events and materials.

AP European History (1.0)

In AP European History, students learn about the cultural, economic, political, and social developments that have shaped today's world by studying European history from 1450 to the present. Students study the great awakening referred to as the Renaissance, as well as the reformations that took place during this critical time in history. They study the religious tensions and wars of this period, as well as revolutions, industrialization, liberalism, conservatism, and nationalism. They also learn about socialism and marxism, the second industrial revolution, and the World Wars. They go on to study Europe in the Twentieth Century, with its technology, its religious and social transformations, its feminism, its "modern" women, and its new political voices and social life.

AP Psychology (1.0)

AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes. Topics discussed include biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

Fine Arts

Music Appreciation (1.0)

Music Appreciation course provides an overview of the development of western music from Pre-Renaissance to Modern times on the European continent and in America. The focus is on select composers and how they influenced musical styles – and on enjoying our rich heritage of music. Course topics include renaissance, baroque, classical, pre-romantic, early romantic, mid-romantic, late romantic and twentieth century music.

Collaborative Theatre (1.0)

Collaborative Theatre focuses on the network of art forms that all work together to tell a story on the stage. Students examine the inception of theatre and its history as well as the tools and techniques of theatre artists, both onstage and backstage. They also explore elements of design, including scenic and costume design. The course concludes with a look at careers in the professional and academic theatre industry.

AP Music Theory (1.0)

This rigorous AP Music Theory course provides students with an in-depth foundation of music theory, including the elements of musical composition. It is an excellent preparation for students desiring a music-related career and for those planning to take the AP Music Theory exam. Course topics include music theory foundations, compound meters and minor tonality, intervals, triads, and seventh chords, counterpoint-connecting melodic and harmonic intervals, establishing the two-voice composition, eighteenth century counterpoint, harmonization, tones and scales, diatonic sequences, and preparation for the AP test.

AP Drawing (1.0)

The AP Drawing course is designed to provide students with a comprehensive understanding of the fundamentals of drawing. The course is divided into sixteen units, each of which focuses on a different aspect of drawing. In the first unit, students will be introduced to the course and its various components, including the sustained investigation, and will learn about the importance of ethics, artistic integrity, and plagiarism.

The units cover topics such as drawing vocabulary and skills, physical and digital work submission, generating ideas for sustained investigation, materials, processes, and ideas, critique and analysis, and revision. Students also learn about drawing mediums and techniques, composition and design, mark making and line exploration, light and shade, line direction and form, figure-ground relationship and space, pencil sighting, color theory and techniques, and drawing the human figure and portraiture.

Throughout the course, students engage in hands-on practice and experimentation to develop their own unique drawing style. They also learn how to use different mediums and techniques effectively, as well as how to properly photograph and edit their artwork for submission. By the end of the course, students have gained a comprehensive understanding of the fundamentals of drawing and created a cohesive body of work to showcase their mastery of the concepts covered.

Physical Education & Health

Physical Education

The Physical Education course is designed to provide students with a comprehensive understanding of various aspects of physical fitness and activity. The course begins with an Introduction to Physical Education, focusing on safety practices, muscular strength, flexibility, and cardiovascular endurance. Students learn to analyze their fitness levels and understand the importance of warm-up and cool-down techniques, laying the foundation for a lifetime of physical well-being.

Students delve deeper into Fitness Principles and Efficiency Workouts, exploring different types of workouts, body composition, aerobic and anaerobic activities, and resistance training. They also focus on specific sports such as soccer, football, basketball, and baseball, learning their history, rules, essential skills, and the importance of protective equipment. Aquatics instruction in swimming techniques further enhances their physical capabilities. Students also explore individual and dual activities like tennis, badminton, and volleyball, emphasizing cooperation and teamwork. Throughout the course, critical thinking skills are developed, enabling students to problem-solve in physical activity settings.

Physical Education also addresses safety, biomechanics, goal-setting, fitness assessment, and advanced concepts such as extreme environment safety and the societal benefits of physical fitness. By the course's end, students emerge with not only improved physical abilities, but also with a deep understanding of how physical activity contributes to overall health and well-being.

High School Health (1.0)

This course was developed in association with Children's Mercy Hospital and is aligned with the National Health Education Standards. Course topics include physical fitness, how the body works, understanding disease, drugs and medicines, adolescence, first aid, and hygiene and healthcare.

Foreign Language

Discover Spanish (1.0)

This course is designed for students seeking a mastery of Spanish as a second language. It is taught by the Discover Method, making it the right choice for students of any native tongue having little or no Spanish background. Discover Spanish incorporates the syntax, vocabulary and pronunciation needed to comprehend Spanish in an everyday environment. This course is ideal for students learning Spanish for the first time, or for a student needing extra practice and help improving their understanding of the Spanish language. Discover Spanish can be used in a stand-alone environment or to supplement teacher instruction in the classroom in a blended learning environment.

Discover Portuguese (1.0)

Discover Portuguese is taught using the Discover Method, making it the right choice for students of any native language having little or no Portuguese background. It incorporates the vocabulary and pronunciation needed to comprehend Portuguese in an everyday environment. Lessons are taught using the UNIVERSAL INTERACTION TECHNIQUE and the Discovery method – engaging students with quick vocabulary lessons followed by real-life conversations that build step-by-step to incorporate the most common words and phrases. The vocabulary and phrasing becomes more complex as the student progresses, but never reaches the overwhelming point. Students are not required to translate the language, rather they learn by associating words and phrases to meaning in the new language like a native speaker.

French I (1.0)

This introductory French Course is for high school students taking their first course in this language with a goal of mastering French as a second language. Course topics include an introduction to French, greetings, numbers, vocabulary, verbs and verb conjugations, currency, familiar nouns, basic conversation, and French culture.

French II (1.0)

This course is recommended for students having a basic understanding of the French language who want to further their understanding and develop fluency. Students extend their vocabulary and their understanding of subject-verb agreement. Students experience French used in conversations and learn how to construct basic phrases needed to effectively communicate in the language. French II is designed to follow French I.

German I (1.0)

This introductory German course is for students with a goal of mastering German as a second language. Students study vocabulary, greetings, sentence structure, basic grammar, and gain practical knowledge necessary for real-world conversation. Common everyday scenarios relating to the home and family, activities, school, shopping, making plans, and grocery shopping are all addressed. The instructor covers a variety of practices and customs observed in the country of Germany.

German II (1.0)

German II expands students' understanding of the German language and culture, presenting language organized by topic and expanding grammar and vocabulary. Students are taught about past and future tense, as well as how to talk about the body, clothing, shopping, the market, vacation, travel, sports, and recreation, etc. German II is designed to follow German I.

Spanish I (1.0)

In Spanish students learn basic vocabulary and grammar concepts. Additionally, students gain cultural knowledge of Spanish speaking cultures around the globe. Students learn to communicate with others and talk about a variety of topics such as leisure activities and hobbies, their classes and school life, their families, as well as parties they may plan for various holidays and important dates.

Spanish II (1.0)

Spanish II is organized around themes and topics. In this class, students learn basic vocabulary and grammar concepts. Additionally, students gain cultural knowledge of Spanish speaking cultures around the globe. Students learn to communicate with others and talk about a variety of topics such as daily activities and routines, travel, their childhood, news and emergency situations, and fairy tales and legends.

Spanish III (1.0)

In Spanish III, students gain cultural knowledge of Spanish speaking cultures around the globe. Students learn to communicate with others and talk about a variety of topics such as past travels and vacations, an array of environmental topics, professions, parts of a city, and the importance of volunteerism and service learning opportunities.

American Sign Language

In this ASL course, students will start by learning the basics like the five parameters of signing and the alphabet. They'll practice finger spelling and get familiar with common greetings and colors. As they progress, they'll dive into more complex topics such as family relationships, emotions, and everyday activities. Each unit builds on what they've learned before, with plenty of opportunities for practice and review. By the end of the course, students will be able to converse in ASL on a wide range of topics, from talking about their families to discussing the weather or shopping. They'll also gain insight into deaf culture and history, understanding how ASL is used in everyday life and its significance to the Deaf community. With these skills, students will be well-equipped to communicate effectively in ASL at the novice level and engage respectfully with Deaf individuals and communities.

STEM

STEM 1: Intro to Coding (1.0)

In STEM 1 Introduction to Coding, students are taught how to program using the Blockly coding language. With Blockly, everything is done with little building blocks that snap together in an intuitive way. Each block represents a small piece of code that together make an entire program. Coding with blocks allows students to focus on the fundamental principles of coding without the challenging initial learning curve required for traditional programming languages. Students are led through activities with incrementally more advanced building blocks. Each block is

similar in structure to the syntax and style of real world programming languages. As students learn to program by snapping blocks together, they are laying a foundation for more advanced programming languages. Students will learn about conditional statements, loops, and functions.

STEM 2: JavaScript (1.0)

In STEM 2 JavaScript, the second coding course, students are taught how to code first with Blockly and then with JavaScript source code. With Blockly, everything is done using little building blocks that snap together in an intuitive way. The blocks are used to help introduce students to the JavaScript syntax. Students study fundamental programming concepts, as well as practice writing their own source code.

STEM 3: Electronics and Coding (1.0)

In STEM 3 Electronics and Coding, students are taught the fundamental principles and aspects of electronics, as well as basic coding for electronics. Utilizing the JavaScript language and an on-screen circuit-board simulator, students are able to code simulated real-world electronics. They learn about circuits, schematics, and circuit boards, as well as electrical current, resistance/resistors, and seven-segment displays. They study electromagnets, electric motors, and electric generators, as well as semiconductors and microcontrollers. Students develop their understanding of the JavaScript language, studying code statements, logic statements, and breaks, as well as switch statements. They explore variables, operators, data types, and functions. They discuss arrays, objects, and digital signals.

Fundamentals of Design

Fundamentals of Design is a year-long course focused on introducing students to the technical art of 3D printing while growing the mind into the 3D design process, beginning with design ideas and developing them into reality. The 3D printing process is revolutionizing the way prints are converted seamlessly and accurately into functional objects. In this course, students will learn a vast scope of knowledge about 3D printing, starting with an inclusive overview regarding the innovative technology to the implementation of 3D processes used to create 3D models.

Introduction to Java (1.0)

In the Introduction to Java course, students are taught basic programming using the Java coding language. They use the jGrasp editor/compiler along with the Java JDK to design and code, and to learn about variables, operations, data types, input and output, libraries, selection statements, arrays, functions, and methods.

AP Computer Science Principles (1.0)

The AP Computer Science Principles course introduces students to the creative aspects of programming, abstractions, algorithms, big data, the Internet, cybersecurity concerns, and computing impacts. Students learn to create and implement computer programs using current technologies for both self-expression and problem solving. Through hands-on application and examples, students will also explore career options while addressing ethical and relevant issues for today's world.

AP Computer Science A (1.0)

AP Computer Science A provides students with a college-level learning experience. This course instructs students on core aspects of computer science. Students learn to create and implement computer programs that solve problems relevant to today's society, as well as deploy programming tools and effectively deal with complex problems through hands-on application and examples.

Career & Technical Education

College & Career Readiness (1.0)

The College and Career Readiness course is designed to prepare students for success in their academic, professional, and personal lives. The course guides students through a journey of self-discovery, career exploration, and practical skill development. Students explore career influences, understand their strengths and interests, and learn the art of setting goals and financial literacy. They gain valuable insights into the job search and application process, honing their interview skills and ultimately setting themselves up for success in their chosen careers. The course also provides a comprehensive overview of workplace dynamics and even delves into military career options, ensuring students are well-prepared to make informed decisions about their future paths. With a focus on proactive preparation and personal growth, this course equips students with the knowledge and skills they need to confidently navigate the transition to college and the world.

Investigating Careers (1.0)

The Investigating Careers course covers a wide range of career fields, providing students with valuable insights and knowledge. Students explore careers in Agriculture and Natural Resources, Architecture and Construction, Arts and Communication, and Business and Administration. They learn about managerial roles, fundamental practices, and industry-specific skills. These units provide a strong foundation for understanding various career paths.

Business, Marketing, & Finance (1.0)

This CTE Business course provides a basic business, marketing, and finance background for students looking for a career in business or for students desiring further preparation before entering college in a business and finance related major. Course topics include economics, management, operations, finances, future planning, insurance, accounting, communication, human resources, personal growth and taxes and illicit activities.

Business Management (1.0)

Business Management is a course that is appropriate for both students on a business career path as well as students seeking to attend college in a business related field. Course topics include management and leadership, planning and change, economics and ownership, regulation and communication, business metrics, capitalization, the product, supply chain management, and human resources.

Intro to Accounting (1.0)

Introduction to Accounting explores the field of accounting, covering the process of recording, analyzing, classifying, summarizing, and communicating accounting information. Students have the opportunity to learn how to interpret and formulate financial information for use in management decision making. The instructor helps students to investigate the impact of industry standards as well as economic, financial, legal, and ethical factors.

Accounting I (1.0)

Accounting I examines the use of accounting and its various aspects. Topics explored include financial statements and how they are linked, bank operations, and accounts payable vs. accounts receivable. It dives deeper into inventory control and how to track it. Corporations, payroll activities, and government regulations are discussed with various case studies offered to provide context. The course concludes with ratios, depreciation, and bonds, offering students a fundamental knowledge in the value of proper accounting practices. Students gain an understanding of the laws and regulations associated with accounting and recognize why these regulations are in place.

Accounting II (1.0)

The Accounting II course covers topics such as financial, non-profit, and cost accounting, auditing, accounting in business, career paths, hiring trends, accounting organizations, small businesses, and technological advancements. The course also provides an overview of accounting's impact on the community, economy, and workforce, emphasizing accountability, time management, professional behavior, leadership, teamwork, and ethics through real-world examples and case studies. The course covers topics related to the fundamental accounting equation, capital, time value of money, financial institutions, lending/borrowing/investment banking, business cycle, and capital maintenance, monitoring, and control. It also covers fundamental concepts related to assets, including acquisition, disposal, and valuation, and teaches students about financing, accounting treatment, and factors that influence asset values.

Students learn about tax accounting fundamentals, risk management, bankruptcy and credit, foreign currency and exchange rates, digital communication, 10-K filing, ethical and legal considerations, global issues affecting accounting, macroeconomics, microeconomics, essential accounting relationships, planning and control of accounting activities, and different accounting roles and challenges faced by accountants.

Mastering Microsoft Excel (1.0)

The Mastering Microsoft® Excel® course focuses on providing students with a solid foundation on the many features and applications of the Microsoft Excel spreadsheet program. Excel, being a vastly versatile and widely used tool in the modern workforce, is a skill integral to success for students planning for any business-related career. This course explores topics from basics of creating workbooks to advanced functions using macros, as well as how to work with other Microsoft Office programs. *"Microsoft" and "Excel" are registered trademarks of Microsoft Corporation.*

Personal Finance (0.5)

Personal Finance is designed to prepare students with the skills and knowledge needed to shape their financial future. The course provides a tool-kit of knowledge resources that will empower students to make informed financial decisions. The course covers real world topics including income, money management, credit, as well as saving and investing. Students have the opportunity to explore concepts such as budgeting; checking and saving

accounts; and investment options. The course also teaches sound practices in the areas of finance, debt, risk management, taxes, and credit management.

Medical Terminology (1.0)

Medical Terminology provides general study skills and a firm foundation for students preparing for postsecondary education to pursue a career in the medical field. Anatomical instruction is coupled with the investigation of key related terminology not only dealing with “what” but also “why” and “how” allowing students apply the information. Specifically, students explore the structures, functions, and terms related to disease and the bodily systems, including the skeletal, muscular, cardiovascular, lymphatic, respiratory, digestive, nervous, integumentary, endocrine, and reproductive systems. Students learn about specific health care professions and the unique role each plays. Through the study of this material students learn effective deciphering skills enabling them to decode medical terminology they have seen and terminology to which they are yet to be exposed.

Instructional Standards in Education (1.0)

Instructional Standards in Education and Training provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, record keeping, and other responsibilities of teachers, or other educational personnel.

Electrical Technology I (1.0)

This CTE course gives students who are interested in a career path in an electrical-related field - including general construction - a foundation of knowledge and practice necessary for a successful career.

Electrical Technology II (1.0)

This CTE course builds on the foundation of Electrical Technology I to give students additional knowledge and skills they need for a career in an electrical-related field and prepares them for the Electrical Technology certification exam.

HVAC-R I (1.0)

This Heating-Ventilation-Air Conditioning-and Refrigeration course, filmed in 3-D, provides students with a basic foundation of knowledge and skill required for a career in the HVAC-R field. It is the first in a two-part course of study preparing students for HVAC-R certification.

HVAC-R II (1.0)

This Heating-Ventilation-Air Conditioning-and Refrigeration course builds on the knowledge and skills taught in HVAC Technology I to provide students the preparation they need for their career and for the HVAC-R certification exam.

Plumbing Technology I (1.0)

This CTE Plumbing course is filmed in 3-D and provides students with a basic foundation of knowledge and skill required for a career in the plumbing technology field. It is also useful for students desiring a career in general construction. It is the first in a two-part course of study preparing students for Plumbing Technology certification.

Plumbing Technology II (1.0)

This CTE Plumbing course is filmed in 3-D and builds on the principles and skills of Plumbing Technology I to provide students with the additional knowledge and preparation they need both practically for their career as well as for the HVAC-R certification exam.

Info Management I (1.0)

Information Management I provides students with an introduction to how businesses use technology to manage immense amounts of data and develops general study skills for continuing education. Through historical context, extensive examples, and practice, students learn about the importance of making informed decisions based on data mining and analysis and the inquiry skills necessary to avoid pitfalls. This course develops communication skills while providing a firm foundation for students looking to excel in technology and management related advanced postsecondary degrees. Students gain an understanding of using the Internet to promote a business and the responsibility that goes along with worldwide communications.

Info Management II (1.0)

Information Management II builds on previous instruction to give students management and study skills and for postsecondary education and beyond. Students learn the basics of workplace communication, become familiar with financial statements, learn to structure business documents, and gain an understanding of how businesses function. Students learn about economics, business legalities, and be given training on skills such as oral presentation and timed writing. From writing a resume to managing employees, this course enables students to strengthen their

business skills and prepare them to gain further knowledge through the study of business related college majors and careers.

Principles of Agriculture (1.0)

The Principles of Agriculture course provides a broad overview of the largest industry in the United States, the field of agriculture. From the clothing we wear and the food we eat to the vehicles we drive and the devices we use to communicate, agriculture is involved in some way in providing us with the necessities and conveniences of modern life. In the Principles of Agriculture course, students begin by discussing what agriculture is and the careers that exist in this all-encompassing field. They begin the main body of the course by exploring animal science, including the production of beef, horses, swine, sheep/goats, and poultry, including their nutrition, digestion, and reproduction. Students investigate the industry of plant production, including the parts of plants and their life cycles and processes, and their propagation. They study environmental effects on plants and the relationship between plants and soil. They discuss crop production and specifically examine corn and soybeans. They learn about the FFA organization, its history, structure, traditions, and programs, as well as traits of leadership, parliamentary procedure, and public speaking. Finally, students take a thorough tour through a wood and metal shop, learning what tools are found there, how they work, and what they are for. They explore basic shop safety and the steps of shop projects, and they delve into arc welding, MIG welding, and the oxy-acetylene process.

Agriculture I (1.0)

The largest industry in the United States, the field of agriculture is broad and all-encompassing. From food and clothing to cell phones and trucks, all are either agricultural in nature or derived and related to agriculture in some way. In the Agriculture I course, students begin with an introduction to this comprehensive industry, including an overview of its six sectors. Through the main body of the course, students enjoy an in-depth exploration of animal science, one of these six sectors. They learn what is involved in working with cows, horses, swine, sheep/goats, and poultry -- livestock and animals reared for produce. Students are also introduced to the FFA organization, and the opportunities and advantages it provides for those who choose a career in agriculture. Finally, students take a thorough tour through a wood and metal shop, learning what tools are found there, how they work, and what they are for.

Agriculture II (1.0)

Broad and all-encompassing, the field of agriculture is the largest industry in the United States. From food and clothing to cell phones and trucks, all are either agricultural in nature or are derived from or related to agriculture in some way. In the Agriculture II course, students begin with an introduction to plant systems, one of the six career sectors of agriculture. They learn about plant types, parts, classification, reproduction, and processes, as well as the effect of the environment on plants. They delve into a study of soil, crop production, trees, pests, and weeds. They explore aspects of the FFA program and how to succeed at getting a job. They also study recordkeeping and welding. Prerequisite: Agriculture I

Theology

Theology 9 God's Story I, Old Testament

This freshman theology course is a study of "Act I" of the drama of scripture - the Old Testament. Special emphasis is placed on the faithfulness of God to his promises throughout the Old Testament and how they all point back to the first promise found in Genesis 3:15 and thereby point to Jesus. The goal of this curriculum is to give the student a foundation to the Bible and center the Christian faith on the person and work of Jesus.

Theology 10 God's Story Part II, New Testament

This sophomore theology course continues the study of scriptures by looking at "Act II": The life of Jesus and the growth of the church. This builds off Act I and continues the grand story of Scripture through which God invites us to be participants through our involvement in the Church. The first semester is devoted to understanding the life and ministry of Jesus through the lens of Luke's Gospel. The second semester picks up the narrative after the Ascension of Christ and goes through the development of the Church.

Theology 11 Missiology & Family & World Religions

S1, Missiology: This theology course is a study of the missional life of the Church. The course is guided by the command of the Great Commission through scripture, real stories from missionaries, and mission work in the community. This course will culminate in a mission trip where students will be able to live out what they have learned.

S2, World Religions: This is a comparison study of the various religions of the world and learning how to respond to their teachings, declaring the truth of Jesus. Religions may include Pluralism, Judaism, Islam, Hinduism, Buddhism, and others.

Theology 12 Marriage & The Christian in Society

S1, Marriage and Family: This class looks at the family, its structures and functions in the church and society with emphasis on the Biblical foundation for marriage. This study includes research on marriage, components of mate selection, child rearing, and the like. The family is examined in relationship to the historical perspective as well as in relation to changes in society.

S2, The Christian in Society: This course will focus on asserting the truth of Jesus in a hostile world and how students' lives are a calling (vocation) to serve others around them. Through the course, students will be encouraged to wrestle with tough real-life issues so they can learn to listen, respect others' opinions and respond in a loving manner.