



2011–12 Courses

Art and Music

- Digital Photography I: Creating Images with Impact!
- Digital Photography II: Discovering Your Creative Potential
- Music Appreciation—The Enjoyment of Listening

Business and Technical Education

- Accounting I
- Accounting II
- Basic Computer Skills
- International Business: Global Commerce in the 21st Century
- Keyboarding
- Principles of Business

Family and Consumer Science

- Personal and Family Finance
- Real World Parenting

Language Arts

- Creative Writing*
- Gothic Literature: Monster Stories
- Philosophy: The Big Picture

Mathematics

- Algebra I*
- Algebra II*

Science

- Chemistry*
- Environmental Science
- Forensic Science I: Secrets of the Dead
- Forensic Science II: More Secrets of the Dead
- Great Minds in Science: Ideas for a New Generation
- Physics*
- Veterinary Science: The Care of Animals

Social Studies

- Anthropology I: Uncovering Human Mysteries
- Anthropology II: More Human Mysteries Uncovered
- Archeology: Detectives of the Past
- Criminology: Inside the Criminal Mind
- Law & Order: Introduction to Legal Studies
- Personal Psychology I: The Road to Self Discovery!
- Personal Psychology II: Living in a Complex World
- Social Problems I: A World in Crisis
- Social Problems II: Crisis, Conflicts & Challenges
- Sociology I : The Study of Human Relationships
- Sociology II: Your Social Life
- World History I: The Dawn of Civilization
- World History II: Wars and Revolution
- World Religions: Exploring Diversity

World Languages*

- French I, II, III, & IV*
- Spanish I, II, III, & IV*



* Two-semester course sequence; year-long registration recommended

2011–12 Course Descriptions

▪ **Accounting I**

Through this course, students will gain a foundation in the skills needed for college accounting courses, office work, and managing their own businesses. These skills are necessary for any student planning to major in Business in college.

Course Length: One Semester

▪ **Accounting II**

This course will introduce students to the basic accounting procedures used to operate a merchandising business formed as a sole proprietorship. It will also cover procedures used for a partnership. It will be a sound background for employment in office jobs and preparation for studying business courses in college.

Course Length: One Semester

Prerequisite: Accounting I

▪ **Algebra I**

Algebra I course topics include an introductory algebra review; measurement; an introduction to functions; problem solving with functions; graphing; linear equations and systems of linear equations; polynomials and factoring; and data analysis and probability.

Course Length: Two Semesters

▪ **Algebra II**

Algebra II course topics include conic sections; functions, relations, and their graphs; quadratic functions; inverse functions; and advanced polynomial functions. Students also cover topics relating to rational, radical, exponential, and logarithmic functions; sequences and series; and data analysis and probability.

Course Length: Two Semesters

Prerequisite: A or B in Algebra I

These Anthropology courses follow the American Anthropological Association national recommendations for the teaching of high school anthropology.

▪ **Anthropology I: Uncovering Human Mysteries**

The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time.

Course Length: One Semester

▪ **Anthropology II: More Human Mysteries Uncovered** **NEW!**

Anthropology has helped us better understand cultures around the world and through different time period. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

Course Length: One Semester

Prerequisite: Anthropology I is recommended but not required

▪ **Archeology: Detectives of the Past** **NEW!**

George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on this techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artefacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

Course Length: One Semester

▪ **Basic Computer Skills**

Part A: Learn the basics of Office 2007 Word. Basic word processing, formatting of MLA or APA style papers with built in software features that help correctly format works cited and bibliography pages. A variety of office templates including resumes and brochure will be taught.

Part B: Learn the Basics of Office 2007 Excel and Power Point. Spreadsheets with formulas, functions and embedded charts will be taught. Power Point and the creation of multimedia presentations will be taught also.

Course Length: One Semester

Prerequisite: Keyboarding or the ability to type at 30 wpm

▪ **Chemistry** **NEW!**

Online Chemistry will teach students the same concepts as a traditional chemistry course. Chemistry is the study of matter and its changes. This course will teach students about the properties of matter and the intimate details of those changes. Students will understand what is happening at the atomic scale that causes the changes that we see at the macroscopic scale. Like a traditional chemistry course, this course uses a mix of lab work (most virtual, but some real) and "book" work to present the material to students.

Course Length: Two Semesters

▪ **Creative Writing**

Online Creative Writing is for students interested in writing and storytelling craft. For assignments, students may draw upon their own original work or create new pieces we will study in this class. Students in this course may write a first or partial draft novel, screenplay, memoir, or anthology of original work, study the elements of good writing, basic story structure, voluntarily share writing with peers, and share their thoughts with other students on the Writers Forum.

Course Length: Two Semesters

▪ **Criminology: Inside the Criminal Mind**

This course explores the field of criminology or the study of crime by analyzing possible explanations for crime from psychological, biological, and sociological standpoints, exploring the various types of crime and their consequences for society, and investigating how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

Course Length: One Semester

▪ **Digital Photography I: Creative Images with Impact!**

In the digital photography course, students will learn creative photographic skills and processes. Students will build a portfolio of work and explore the fields of photography and graphic arts.

Course Length: One Semester

▪ **Digital Photography II: Discovering Your Creative Potential** **NEW!**

In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye catching photograph.

Course Length: One Semester

Prerequisite: Digital Photography I or by permission of program

▪ **Environmental Science**

This course is designed to acquaint you with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the inter-relationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. The course covers the following topics: Earth's Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society.

Course Length: One Semester

▪ **Forensic Science I: Secrets of the Dead**

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime investigation. Starting with how a crime scene is recorded, the course will follow the various forms of evidence through to the criminal case trial, examining how different elements of the crime scene are analyzed and processed.

Course Length: One Semester

▪ **Forensic Science II: More Secrets of the Dead** **NEW!**

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

Course Length: One Semester

Prerequisite: Forensic Science I or by permission of program

▪ **French I**

This class will put at your fingertips resources for learning the basics of the French language. The basic vocabulary you will be learning about yourself, your family, your free-time activities, and your community. In the process you will learn about the French people, about their culture, and about their language. We will do weekly activities, projects and/or quizzes and monthly web-cam checkups on pronunciation and speaking skills. The oral part can be learned from video and listening activities with the online text and is a basic to our class. The textbook will be an outline text called *Allez, Viens*, and there will be online activities as assessments.

Course Length: Two Semesters

▪ **French II**

French listening, speaking, reading, and writing skills will be expanded using various Internet tools. Students will be expected to do daily work, and do weekly projects or assignments to demonstrate their learning. The text uses online exercises and videos, flashcards and quizzes. The units studied are food, daily routines, sports, and music. The grammar that will be mastered are past and future tense, and also the imperfect and descriptive past. Students will be involved in reading and telling, and in monthly speaking check with the web-cam or telephone. Students should have at least a C in French I to enroll and should be able to manage their time well. Cultural units to be studied are on the French speaking world and the geography of France. The online text *Allez, Viens* has activities and online assessments.

Course Length: Two Semesters

Prerequisite: French I

▪ **French III**

This course will continue to add to the vocabulary you know, including units on travel, occupations and your home. Grammar topics include three new tenses: the imperfect, the future and the conditional. Cultural studies will include parts of France as well as Canada, the French educational system, and the European Union. The activities continue to be varied, but will get more challenging as you progress through the course.

Course Length: Two Semesters

Prerequisites: French I and II

▪ **French IV**

This course will continue from where you left off in French III, adding more vocabulary and usage and the present subjunctive mood. Cultural topics will include areas around the world where French is spoken, the environment, and technology. The activities will be varied, but even more challenging.

Course Length: Two Semesters

Prerequisites: French I, II and III

▪ **Gothic Literature: Monster Stories**

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. Students will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Course Length: One Semester

▪ **Great Minds in Science: Ideas for a New Generation**

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to solve all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on ten of the great minds in science today. Each unit examines the work of one individual and how their ideas may help shape the world of tomorrow.

Course Length: One Semester

▪ **International Business: Global Commerce in the 21st Century**

From geography to culture Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected.

The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Course Length: One Semester

▪ **Keyboarding**

Correct keyboarding techniques that will improve keyboarding speed and accuracy using an Internet based software program. Emphasis will be on keyboarding techniques to improve typing production. Correct formatting of business memos, letters, reports and other business document will also be taught.

Course Length: One Semester

▪ **Law & Order: Introduction to Legal Studies**

Every purchase, lease, contract, marriage, divorce, arrest, crime or traffic violation places the citizen face-to-face with the law. Law & Order is designed to provide students with an understanding of their legal rights and responsibilities.

Course Length: One Semester

▪ **Music Appreciation — The Enjoyment of Listening** **NEW!**

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

Course Length: One Semester

▪ **Personal and Business Finance**

This course will inform students how individual choices directly influence professional goals and future earnings potential. 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.

Course Length: One Semester

These Psychology courses follow the American Psychological Association (APA) national recommendations for teaching high school psychology.

▪ **Personal Psychology I: The Road to Self Discovery!**

Self-knowledge is the key to self-improvement! Topics include the study of infancy, childhood, adolescence, perception and states of consciousness. This course offers exciting online psychology experiments about our own behavior.

Course Length: One Semester

▪ **Personal Psychology II: Living in a Complex World**

Learning to understand the actions of others can enrich quality of life. Topics include the study of memory, intelligence, emotion, health, stress and personality. This course offers exciting online psychology experiments about the world around us.

Course Length: One Semester

Prerequisite: Personal Psychology I is recommended but not required

▪ **Philosophy: The Big Picture**

This course will take students on an exciting adventure that covers more than 2500 years. The philosophers of the Western world are among the most brilliant and influential thinkers of all time. Students will see where many of the most fundamental ideas of Western civilization came from and get a chance to ask some of the same questions these great thinkers pondered.

Course Length: One Semester

▪ **Physics**

Part A: Motion. Topics covered: Describing motion mathematically and graphically, Newton's Laws of Motion, vector addition, momentum, energy.

Part B: Waves, electricity and magnetism. Mechanical waves (including sound), Electromagnetic waves (light), electric field, electric current, and magnetic fields.

Course Length: Two Semesters
Prerequisite: C or better in Algebra I

- **Principles of Business**

Principles of Business is designed to show what businesses are, how they are operated and how they are managed. You will explore business opportunities and learn how to make informed economic decisions in our global economy.

Course Length: One Semester

- **Real World Parenting** **NEW!**

The process of parenting is more than just having a child and making sure they eat, sleep and get to school on time. Learn what to prepare for, what to expect, and what vital steps a parent can take to create the best environment and life for their child. Parenting roles and responsibilities; nurturing and protective environments for children; positive parenting strategies and effective communication in parent/child relationships are some of the topics covered in this course.

Course Length: One Semester

- **Social Problems I: A World in Crisis**

In the Social Problems I course, students will learn about the challenges facing societies and the relationships between societies, governments, and individuals. Each unit will focus on a particular area of social concern, often with a global view, and examine possible solutions at both a structural and individual level. Students will learn how social problems affect their lives as well as the ways that they can make a difference in the social problems that exist in their lives, communities, and world.

Course Length: One Semester

- **Social Problems II: Crisis, Conflicts & Challenges**

The Social Problems II course continues to examine the social problems that affect individuals and societies in the world today. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. Students examine the connections in each issue between societies, individuals, governments, and the global arena.

Course Length: One Semester

Prerequisite: Social Problems I is recommended but not required

These Sociology courses follow the American Sociological Association (ASA) national recommendations for teaching of high school sociology.

- **Sociology I: The Study of Human Relationships**

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of an individual.

Course Length: One Semester

- **Sociology II: Your Social Life**

Sociology is the study of people, social life and society. The development of a sociological perspective will enable students to examine how society shapes human actions and beliefs, and how such actions and beliefs in turn shape society.

Course Length: One Semester

Prerequisite: Sociology I is recommended but not required

- **Spanish I**

Spanish I is an introduction to the study of a new language and to the culture of Spanish speaking countries. The objective of the course involve a commitment to the development of the four skills: speaking, listening, reading and writing Spanish within the limits of vocabulary and grammatical structure. This course focuses intensively on speaking ability. Activities incorporating the customs, traditions, cultures and backgrounds of Spanish speaking peoples are intertwined into each unit. We use the Ven Conmigo textbook along with other materials to gain the best possible learning atmosphere.

Course Length: Two Semesters

▪ **Spanish II**

Building on Spanish I concepts, Spanish II students learn to communicate more confidently about themselves, as well as about topics beyond their own lives - both in formal and informal situations. Each lesson presents vocabulary, grammar, and culture in context, followed by explanations and exercises. Students expand their vocabulary in topics such as cooking, ecology, geography, and architecture. Instruction in language structure and grammar includes a review of present-tense verb forms, an introduction to the past tense, the conditional mood, imperatives, impersonal constructions, and reported speech. Students deepen their knowledge of Spanish-speaking regions and cultures by learning about history, literature, culture, and contemporary issues.

Course Length: Two Semesters

Prerequisite: Spanish I

▪ **Spanish III**

Expanding on skills and language learned in earlier Spanish courses, students deepen their knowledge of Spanish-speaking regions and cultures by learning about history, literature, culture, and contemporary issues. Practice in speaking and writing extensively is a daily experience.

Course Length: Two Semesters

Prerequisites: Spanish I and II

▪ **Spanish IV**

Expanding on skills and languages learned in Spanish III, students will deepen their knowledge of Spanish-speaking regions and cultures by learning about history, literature, culture, and contemporary issues. Practice in speaking and writing extensively is a daily experience.

Course Length: Two Semesters

Prerequisites: Spanish I, II and III

▪ **Veterinary Science: The Care of Animals**

As animals play an increasingly important role in our lives, scientists have sought to learn more about the health and well being of animals. From the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but humans, at times, too. Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

Course Length: One Semester

▪ **World History I: The Dawn of Civilization**

Why would a man devote years to studying the letters of a long-dead king? Why would a woman spend thousands of hours digging in the mud and ruins of an ancient city? Simple. These people are caught up in the fascinating time machine called human history. History is the story about people – how they lived, where they traveled, how they felt about their lives.

Course Length: One Semester

▪ **World History II: Wars and Revolution**

War. Economic depression. Genocide. Ethnic cleansing. Human history is filled with devastating tragedies. What causes these horrors? How do they begin? Most important, how can we use what we have learned about these tragedies of the past to ensure that they don't happen again?

Course Length: One Semester

Prerequisite: World History I or by permission of program

▪ **World Religions: Exploring Diversity** **NEW!**

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

Course Length: One Semester