

New Courses for 2012-2013 Program of Studies (High School)

Course Title	Grade	Prerequisite(s)	Course Description
Career & Technical Education			
Culinary Arts I	10, 11, 12	Intro to Culinary Arts	Culinary Arts I continues the studies of Introduction to Culinary Arts. Students will learn advanced culinary concepts and skills required for careers in the food industry. Class time is used for teaching new concepts, reinforcing important skills, and assisting students will cooking projects. Emphasis is placed on sanitation, nutrition, food preparation, catering, purchasing, and inventory control in addition to food presentation and service. Pastry skill development and preparation of international foods will also be explored.
Entrepreneurship Education	9, 10, 11, 12	None	This course introduces students to the exciting world of creating, owning, and launching their own business. Students will learn concepts and techniques for planning an innovative business and living the entrepreneurial lifestyle. The cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.
Fashion Marketing I	10, 11, 12	None	In this specialized course, students gain basic knowledge of the apparel and accessories industry and skills necessary for successful employment in apparel businesses. Students develop general marketing skills necessary for successful employment in fashion marketing, general marketing skill applicable to the apparel and accessories industry, and specialized skills unique to fashion marketing. Personal selling, sales promotion, purchasing, physical distribution, market planning, and product/service technology as well as academic skills (mathematics, science, English, and history/social science) related to the content are part of this course. Computer/technology applications supporting this course are studied. the cooperative education method is available for this course. Students combine classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the year.
Fashion Marketing II	10, 11, 12	Fashion Marketing I	Students with a career interest in apparel and accessories marketing gain in-depth knowledge of the apparel and accessories industry and skills important for employment in apparel businesses. They develop advanced skills unique to fashion Marketing and advanced general marketing skills applied to the apparel and accessories industry. Professional selling, sales promotion, buying, merchandising, marketing research, product/service technology, and supervision as well as academic skills related to the content are part of this course. Computer/technology applications is available for this course. Students combine classroom instruction and supervised on the job training in an approved position with continuing supervision throughout the school year.

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Internet Marketing through Social and New Media	10, 11, 12	None	Students receive an introduction to marketing functions and the business plan to study internet marketing's role in the global economy. Students gain knowledge of the tools and techniques used in Internet marketing and learn how to design a web site. Students explore how new media is being used to create relationships, market products and services, engage key audiences, create brand awareness, and drive loyalty. This course covers techniques such as social networking, wikis, widgets, blogging, podcasting, web casting, social bookmarking, mobile marketing, and mashups. They explore ethical, legal, security aspects and prepare for a career in Internet marketing. Academic skills (mathematics, science, English, and history/social science) related to the content are a part of this course. Computer/technology application supporting this course are studied.
MS IT: I (replaces Computer Information Systems I)	9, 10, 11, 12	None	This course prepares students to earn Microsoft Office Specialist (MOS) certifications in Word, PowerPoint, and Outlook. Students will apply real-world problem solving strategies while creating documents, developing multimedia presentations, and exploring advanced communication methods. Students will be trained on the latest software using official curriculum from Microsoft.
MS IT : II (replaces Computer Information Systems II)	9, 10, 11, 12	MS IT: I	This course prepares students to earn their Microsoft Office Specialist Master (MOS Master) certification. This industry recognized certification validates overall proficiency and deep expertise of Microsoft Office programs and requires four exams: Word Expert, Excel Expert, PowerPoint, and either Outlook or Access. Students will develop expertise in a hands-on learning environment guided by official Microsoft IT curriculum.
PVCC Web Design II	12	PVCC Web Design I	This course incorporates advanced techniques in web sites planning, design, usability, accessibility, advanced site management and maintenance; utilizing web editor softwares.
Sport Medicine I	11, 12	Biology I Recommended	This course of studies provides students with the basic concepts and skill set required for careers in sports medicine such as: athletic training, physical therapy, medical physician, exercise physiology, and occupational therapy. Introduces students to topics such as injury prevention, nutrition, first aid/CPR/AED, exercise physiology, and biomechanics. Students study basic human anatomy and physiology, medical terminology, legal and ethical issues in sports medicine, and career preparation. Course competencies have been constructed so as not to go beyond the professional scope of aide/assistant level. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid, CPR, AED, and/or personal trainer.

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Sport Medicine II	12	Sports Medicine I	This course continues the studies of Sports Medicine I. Student learn advanced concepts and skill set required for careers in sports medicine such as: athletic training, physical therapy, medical physician, exercise physiology, and occupational therapy. Students knowledge of topics such as injury prevention, nutrition, first aid/CPR/AED, exercise physiology, and biomechanics are demonstrated through practical application. Students continue study in human anatomy and physiology, medical terminology, legal and ethical issues in sports medicine, and career preparation. Course competencies have been constructed so as not to go beyond the professional scope of aide/assistant level. Mastery of the material in this course would provide students with a strong background should they wish to pursue certification in areas such as first aid, CPR, AED, and/or personal trainer.
Fine Arts			
Chamber Music Ensemble	10, 11, 12	Audition	Open to students by audition and invitation only. Student must be proficient as an instrumentalist or singer and presently be studying privately, or be willing to let the program help secure appropriate private instruction. Advanced performance, sight reading and music proficiency required. There will be an emphasis on interactive chamber music in class, as well as continuing music theory, composition, and arranging skills. Students may prepare college and competition audition repertoire and could be given performance opportunities for junior and senior recitals at the school. Contact with university and conservatory instructors will be facilitated to further the education of these students. Encouragement and assistance will be given for placement in UVA chamber and ensemble music classes if desired. The Chamber Ensemble will also perform once a month in the community to support and develop the community music culture.
Screen and Stage Writing	9, 10, 11, 12	none	This course will begin with the study of contemporary dramatic literature and screenplays. We will analyze the elements of script writing (short plays as well as one acts and full length pieces) such as plot, theme, action, characterization, and powerful and evocative dialog. Students will learn to move their ideas into play writing format with the use of formatting software such as Celtix. They will study the importance of stage directions and how it affects characterization. Students will submit entries into a variety of script writing contests. As a culminating activity, we will hold a film and stage festival showcasing student work.
Mathematics			
Applied College Mathematics	12	Algebra II	Applied College Mathematics is a course that contains high-interest contextualized content. The course will add to students' preparation for college and the workplace by enhancing skills in number and quantity, functions and algebra, geometry, and statistics and probability; through skills essential for college and workforce success such as adaptability, flexibility, creativity, innovation, leadership, team work, collaboration, and work ethic. Students will research, collect, and analyze data; develop and support ideas and conjectures; investigate, evaluate, and incorporate appropriate resources; and determine appropriate problem-solving approaches and decision-making algorithms in a variety of real-world contexts and applied settings.

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Science			
Organic Chemistry	10, 11, 12	Chemistry	Organic Chemistry is a broad field, including diverse topics such as the synthesis and function of bio-molecules; the study of polymers; investigations into the synthesis and use of pharmaceuticals, soaps, flavors, and fragrances; and the study of petroleum products. This course fosters an understanding of the world around us, particularly compounds that contain the element carbon. Targeted toward college-bound students who wish to pursue a science-related degree.
Social Studies			
America's War: Vietnam and the Civil War	11, 12	None	During the course of United States history, wars helped shape this country into what it is today. The United States evolved from fighting a war for independence to the world's sole superpower of the early 21 st -Century. Two pivotal wars in that period contributed to the identification of the United States: the American Civil War and The Vietnam War. The first half of this course will focus on the American Civil War and the second half of the course will focus on the American involvement in Vietnam. Students will study the political, social, economic, and military impact of these wars. The course will also focus on how these wars formed American memory and shaped the cultural legacy of these conflicts.
Issues of the Modern World	11, 12	None	This is an elective course recommended for engaged, motivated and curious students who are inquisitive about and interested in the study of current events and recent American and world history. Topics, issues and contemporary developments in world history, American history and modern society will be discussed, explored, researched and analyzed using readings (newspaper articles, academic journals), internet research, films (feature and documentary), broadcast news reports and class discussions. Topics may include: modern terrorism, the modern global economy (globalization), the environment, America's "culture wars," gun control, the modern Middle East, problems and issues in American foreign policy and more.
Special Education			
Community Based Work Adjustment	11, 12	None	This course is designed to help students develop vocational skills and formulate plans to prepare for and obtain successful employment in the community. Individuals may work in Goodwill stores and area businesses where real world opportunities are offered to assess a person's abilities, interests and job skills. On site support is offered to improve vocational skills to improve job readiness for future vocational experiences. Participants are expected to be able to function in a small to medium sized group independently as well as follow multi-step directions.