

BUSINESS

(.5 credit Computer Applications & .5 credit Economics is required)

Computer Applications

This course is designed to teach the student to use the technology necessary for secondary and higher level education. The student will learn to use software and online applications for word processing, spreadsheets, presentations, and publishing (Microsoft Office Suite, Google Docs). Students are expected to have a basic working knowledge of their chosen device and operating system. This course is required to graduate from Lexington Catholic.

Programming I (Computer Programming C++)

An introductory semester course in the fundamentals of programming. The course covers abstract principles such as logic and algorithms as well as the particular properties and data structures of C++. This course is one semester in length.

Programming II

This semester course covers more advanced algorithms and properties of the language of C++ such as strings, vectors, and classes. Prerequisite: Programming I

Web Page Design

Web Page Design is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality; learn how to create and maintain quality web pages; learn about web design standards and why they are important; and learn to create and manipulate images.

This is a one semester course.

Prerequisite: Computer Applications and a strong interest in computers

Advanced Placement Computer Science

AP Computer Science emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction. This course will be taught in alternating years of 2020-2021 and 2022-2023. Will not be offered in 2019-2020.

Prerequisite: Computer Programming C++

Economics

Economics is a one semester course required for graduation. This course will provide students with the tools to better understand the functioning of a complex economic system as well as the economy's relationship and importance to other areas of life. The focus will be on the U.S.'s economic system. Personal finance is also covered. Topics are drawn from macroeconomics, international economics and selected consumer economic issues. This class is also listed under the social studies course offerings. The class is available to sophomores, juniors, and seniors.

Business Marketing

This is a semester long course that will introduce students to marketing as an integrated concept within the business function. The course is designed to prepare students for the college courses or the business world they will encounter after graduation. Students will learn marketing concepts, the economic principles that drive marketing, and how businesses target potential customers. Additional topics include, but are not limited to, the development of marketing as a business function, market segmentation, and product branding. Students are required to participate in a class project in which the students market a good or service for a profit.

Sports Marketing

This semester long course is designed to provide training of skills necessary for positions in the Sports and Entertainment field and expose the students to jobs at the mid-management, specialist, or supervisory level. Instruction includes marketing skills, skills and techniques of advertising and promotion, psychology of selling, and management associated with the marketing of leisure-time activities and events.

Accounting

The objective of this year long course is to present basic accounting principles. Included is the cycle of accounting procedures for both service and merchandising business. The study of accounting will give students the background knowledge to begin to prepare for an accounting career or other business related career.

Honors Accounting II

This year long course will expand the knowledge gained in Accounting. As an honors level course, the content will further prepare the student for accounting or business related careers.

Digital Production

This semester course will instruct the students in use of digital media, providing students with opportunities to develop their knowledge, understanding, and skills in the field of digital media. This course will introduce students to theories of digital audio production, digital audio equipment, digital video production, digital video equipment, methods, processes, and techniques. Teacher Preferences: PC users must purchase Premier Pro, Mac users may use iMovie or purchase Final Cut Pro X. Students need a video camera or DSLR camera that uses flash memory or hard drive with a compatible connection and will need to have access to a phone camera. This class is available to juniors and seniors.