Computer Science Principles (AP CS)

This course continues the study of computer programming using the SNAP, SCRATCH, and PYTHON. Object oriented programming and class design will be studied in depth. Topics include searching and sorting algorithms, and recursion. Programming assignments will, in general, be more extensive, and include the use of case studies. This course is intended for students who want to pursue careers in computer science, mathematics, engineering, or science. This college level course prepares students for the Advanced Placement Computer Science "A" Exam. This course may qualify as a fourth mathematics credit towards graduation. Grades: 10, 11 & 12

Entrepreneurship

Entrepreneurship is a one-credit course designed to provide students with skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics and professional development foundations. Instructional strategies may include the development of a business plan, a school-based enterprise, computer and technology applications, real and simulated occupational experiences, or projects related to business ownership. Grades: 10, 11 & 12

Non-Discrimination Statement

Birmingham City Schools does not discriminate on the basis of race, ethnicity, color, religion, national origin, sex, disability, age, or homeless status in its programs, activities or employment and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding non-discrimination policies: Ms. Maria Lyas, 504 Coordinator, 2015 Park Place N. Birmingham, AL 35203, (205)231-9874, myoung2@bhm.k12.al.us; and Mrs. Amanda Cross, Esq., Title IX Coordinator & ADA Coordinator, 2015 Park Place N. Birmingham, AL 35203, (205)231- 4308 , titleIX@bhm.k12.al.us (Title IX); across@bhm.k12.al.us (ADA).

National Business Honor Society

The objectives of the National Business Honor Society includes: Promote and recognize academic achievement in business education at the second level. Foster and recognize leadership skills and character development. Help members grow ethically and socially by promoting and encouraging an interest in business. Encourage member involvement in service learning initiatives.

Future Business Leaders of America

Future Business Leaders of America is a Co-curricular component of the Commerce and Information Technology. This student organization enhance classroom instruction, develop leadership professional growth and service.

Career and Technical Education

CTE Concentrators are students who earn two educational credits in a sequenced career and technical education program of study. CTE Completers, however, are students who earn at least one additional credit in a career and technical education program or related academic course.

Certification

Students enrolled in Advanced Business Application classes also have an opportunity to become certified in Microsoft Office Application: Word, Excel, Access and PowerPoint. The Alabama State Office of Education believes the Microsoft Office Specialist Certification will validate skills and knowledge in the classroom and workforce.

Ramsay International Baccalaureate High School Commerce & Information Technology

1800 13th Avenue S
Birmingham, AL 35205
(205) 231-7000

EDUCATORS

Ms. Karzetta Bester
BS, MS & Ed.S. Alabama A&M University

Ms. Bridget Lavender
BS Miles College
MS & Ed.S. Alabama A&M University

Mrs. V. Jacqueline Thomas-Nixon
BS & MS Alabama A&M University

Mrs. LaChundra Bray
BS Alabama State
MBA University of Phoenix

Dr. Carolyn Russell-Walker, Principal
Mr. Micah Kemp & Ms. Ja'net Sharpe
Assistant Principals

Commerce & Information Technology

Our department provides many opportunities for high school students to prepare for the future. Students learn a variety of business skills, not only in the classroom, but also on the job.

Our Goals

- To encourage critical thinking skills
- To promote educational values including economic understanding and consumer competencies.
- Positive attitudes and ethical standards
- To provide a realistic understanding of the work environment
- To enhance employability skills
- To reinforce basic skills in such areas of communication, mathematics, and technology
- To stimulate interest in career development
- To foster an appreciation of the free enterprise system

Courses

- Accounting Principles
- Business Software Applications II
- Banking and Finance Services
- Career Preparedness
- Computer Science Principles (AP CS)
- Entrepreneurship
- Digital Media Design
- Information Technologies

Accounting

Accounting Principles designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on analyzing and recording business transactions; preparing and interpreting financial statements, accounting systems, baking, and payroll activities; identifying basic types of business ownership; and participating in an orientation to careers in accounting. Students are also provided with instructional activities that that reinforce mathematical and critical thinking skills. Grades: 10, 11 & 12

Business Software Application II

Advanced Business Technology Application provides students with project-based application of concepts learned in Business Technology Application or Career Preparedness. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition. The pre-requisite for this course is Career Preparedness. Grades: 10, 11 & 12

Banking and Financial Services

Banking and Financial Services help students develop skills related to banking and related services as they process customer transactions, maintain cash drawer, process documents, and respond to customer requests to provide other customer services. Students employ technical skills to perform data processing functions as well as to perform new account functions. Applicable skills are utilized by practicing lending functions, including aiding the customer in determining the best lean alternative; processing the customer's application to include appropriate information; and processing the loan to complete transactions. Grades: 10, 11 & 12.

Career Preparedness

Career Preparedness is a required course or graduation. Emphasis is placed on three integral areas of instruction-academic planning and career development, financial literacy and technology. Course content ranges from college and career preparation to computer literacy skills to ways to manage personal finances and reduce personal risk. The area of technology is designed to be interwoven throughout course instruction. Mastery of the content standards provides a strong foundation for students' acquisition of the skills, attitudes, and knowledge that enables them to achieve success in school, at work and across the life span. Grades: 9, 10, 11 & 12

Digital Media Design

Multi-Media Design is designed to provide students with skills involving presentations, desktop publishing, web publishing, and digital graphics. Students use various hardware peripherals as well as the internet for integrating skills to create a variety of publication. Upon successful completion of the course, students are able to pursue further study in the area of professional multi-media design. The pre-requisite for this course is Advance Business Technology Application Grades: 11 & 12

Information Technologies (Intro to Computer Science)

This is a beginner's level approach to computer programming using SNAP, SCRATCH, and PYTHON. No previous knowledge of programming is necessary. Students will develop and apply algorithms to solve real-world problems. Programming concepts will be taught using structured programming techniques such as data types, program input/ output, if statements, loops, arrays, and lists. Object-oriented programming will also be introduced. Other topics include debugging, hardware components, and social implications of computer systems. Upon completion of this course, the student will have created software programs using computer science programming concepts. This course may count as a Technology Applications course. Grades: 10, 11 & 12