



CHRISTIAN
BROTHERS
HIGH SCHOOL

**Freshman
Course
Catalogue**

COURSE LEVELS

Christian Brothers High School is committed to the highest academic standards of excellence. The academic program is designed to enhance the knowledge and critical thinking skills necessary for students to become life-long learners and contributing members of society. Each student is encouraged to continually strive for academic excellence at a level commensurate with his ability. Respecting the individual needs of each student, CBHS offers courses at various academic levels.

Students are placed in courses based on standardized test scores, teacher recommendations, and past performance. It is possible for students to be enrolled in courses at different levels. For example, a student may have demonstrated superior abilities in English and be enrolled in an honors English course while at the same time be enrolled in a standard math course.

College Preparatory courses are designed for students who have demonstrated the ability and aptitude to pursue post high school studies at the university level. All courses at CBHS are college preparatory.

Advanced Placement courses are designed for those students who have demonstrated superior skills in specific content areas. CBHS offers AP courses to students in grades 9, 10, 11 & 12 in English, social studies, calculus, biology, chemistry, and foreign languages. Students enrolled in AP classes must take the AP exam which gives them the opportunity to earn college credit while in high school. A detailed list of AP course offerings will be listed later in this catalog.

Honors courses are also designed for students who have demonstrated superior aptitude in specific content areas. These courses offer opportunities for students to pursue more in-depth studies in specific content areas.

GRADUATION REQUIREMENTS

RELIGION	1 CREDIT for each year of attendance at CBHS
ENGLISH	4 CREDITS
MATHEMATICS	4 CREDITS
PHYSICAL EDUCATION	1 CREDIT – Students participating on CBHS athletic teams will be awarded 0.5 credit for each sport, for a maximum of 1 full credit during their career at CBHS
SOCIAL STUDIES	3 CREDITS <ul style="list-style-type: none"> • World History • European History • US History
SCIENCE	3 CREDITS <ul style="list-style-type: none"> • Physics • Biology • Chemistry
FINE ARTS	1 CREDIT
FOREIGN LANGUAGE	2 CREDITS IN THE SAME LANGUAGE * See below for explanation
ECON/PERSONAL FINANCE	½ CREDIT Economics ½ Credit Personal Finance
ELECTIVES	3 CREDITS
TOTAL CREDITS	25 MINIMUM

PLANNING

As students plan their programs of study, the following considerations should be kept in mind:

- Advanced study beyond Tennessee state requirements is not only highly recommended, but is a prerequisite to certain college programs such as engineering, pre-med, nursing, business, pre-law, etc.
- *CBHS does not require foreign language for graduation. However, study for at least two years in the same language is highly recommended. Most colleges require a minimum of two years of the same foreign language and some more selective colleges recommend three years of a foreign language study for acceptance.
- Dual Enrollment courses are also offered in the junior and senior years.

PHYSICAL EDUCATION

Beginning with the 2013-2014 school year, CBHS students who participate on a CBHS athletic team will earn 0.5 credit in PE for each full season of participation in a sport. A student may fulfill his PE requirements by participating in interscholastic athletics for at least two full seasons. The two seasons can occur anytime throughout the student's high school career. A maximum of 1 full PE credit can be earned towards CBHS graduation requirements.

In order to earn 0.5 credit the student must complete a full season in a sport. No credit is earned for trying out for a team but not making it or quitting a team during the season does not count as participating for a season.

ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program is a national program for college level courses and examinations for secondary school students. Over 90% of college and university candidates earn credit and/or advanced placement when the AP test results are considered acceptable. There is a charge to take these exams. The cost varies each year. At CBHS, it is a requirement that students take the advanced placement exam if they are enrolled in an AP course.

COURSE REQUESTS

- Students and parents/guardians should spend time together planning, choosing, and discussing the course requests. The student's counselor is also available to assist in this process.
- During the registration process, current students and their parents have an opportunity to schedule special college/career planning meetings with the counselor. Information will be included in the registration packet.
- Courses offering depend on the availability of teaching personnel and course enrollment. Student course requests will be processed only after the student's registration is complete and all other financial obligations are considered current by the Business Office.
- A student who requests a course without meeting the prerequisites will be scheduled in an alternate course that fits his schedule.

COURSES OFFERED

BUSINESS

ECONOMICS – 056

½ CREDIT

Semester

An introduction to the methodology and analytical tools used by economists. Economic theory, policy and history are examined.

PERSONAL FINANCE – 063

½ CREDIT

Semester

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing.

ENGLISH

All students must earn 4 English credits to be eligible to graduate from CBHS. Freshmen are placed in English courses based on their ability level, previous grades, and teacher recommendations.

HONORS ENGLISH I - 211

1 CREDIT

Full Year

Accelerated study of grammar followed by an in-depth study of genres of literature, including (but not limited to): JULIUS CAESAR, TO KILL A MOCKINGBIRD, THE RED BADGE OF COURAGE, THE UNVANQUISHED, & A CHRISTMAS CAROL. Minimum of 10 written paragraphs; emphasis on vocabulary. Outside reading program consisting of a minimum of one work per quarter.

Continued development of paragraph & theme writing, as well as attention to spelling and vocabulary skills. Minimum of ten papers.

Placement determined by HSPT Scores and previous teacher's recommendation.

ENGLISH I - 212

1 CREDIT

Full Year

In addition to a study of vocabulary skills, students review grammar and usage during the first semester, followed by a study of the various genres of literature, including (but not limited to): JULIUS CAESAR, TO KILL A MOCKINGBIRD, & THE RED BADGE OF COURAGE. Emphasis on paragraph writing and outside reading. Outside reading program consisting of a minimum of one work per quarter.

Introduction to paragraph & theme writing, as well as attention to spelling and vocabulary skills. Minimum of ten papers.

Placement determined by HSPT Scores and previous teacher's recommendation.

FOREIGN LANGUAGE

SPANISH I – 411

1 CREDIT

Full Year

Designed both for those who have experience as well as first-time Spanish students. Students will develop reading, writing, listening and speaking in real-world situations. Homework focuses on practice and preparation. Classroom activities are interactive and communicative. Students will grow in their knowledge of the geography and cultures in the Spanish-speaking world.

FRENCH I – 412

1 CREDIT

Full Year

Introduces the French language; emphasizes all language skills--listening, speaking, reading, and writing-- in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of French-speaking cultures. Students also read a short novel in French, write about the novel and answer questions in French. Students are introduced to French culture.

LATIN I – 413

1 CREDIT

Full Year

In Latin I students acquire basic translation and grammatical skills, as well as an overview of daily Roman life, through reading passages of increasing complexity. Inflections, vocabulary, and English derivatives are memorized out of class

MATHEMATICS

HONORS ALGEBRA I – 511

1 CREDIT

Full Year

The course stresses both the structure of algebra and the development of problem-solving skills. Factoring, polynomials, radicals, quadratic and linear functions are extensively treated. A simple introduction to trigonometry is included.

Placement determined by HSPT Scores and previous teacher's recommendation.

ALGEBRA I – 512

1 CREDIT

Full Year

Algebra I is the study of mathematical computations and practical applications of Algebraic techniques. Algebra I students study the following concepts: development of the number system, properties of numbers, solving and graphing linear equations.

BIOLOGY – 822 1 CREDIT Full Year
Basic concepts of biology from cell structure and function through cell groupings into tissues and organs, continuing into development of organisms, the classification of those organisms, and the ecological interrelatedness of all organisms.

PHYSICS I – 817 1 CREDIT Full Year
Freshman-level, algebra-based course covering traditional Physics topics, including Newton's Laws of Motion, mechanics, electricity, magnetism, sound, light and energy. Emphasis on application of mathematics to laboratory and reasoning skills.

SOCIAL STUDIES

AP WORLD HISTORY – 913 1 CREDIT Full Year
College level course which highlights the nature of changes in global frameworks, their causes and consequences, and comparisons among major societies. Emphasis on analysis of historical evidence. College credit may be earned through year-end test.

Placement determined by HSPT Scores and previous teacher's recommendation.

HONORS WORLD HISTORY – 914 1 CREDIT Full Year
Honors level course which highlights the nature of changes in global frameworks, their causes and consequences, and comparisons among major societies. Emphasis on analysis of historical evidence. *Placement determined by HSPT Scores and previous teacher's recommendation.*

WORLD HISTORY – 916 1 CREDIT Full Year
This course examines the development of various world civilizations from their earliest beginnings through the Renaissance. Analysis includes cultures from Africa, Latin America, Asia, the Middle East and Europe.

PROJECT LEAD THE WAY (PLTW)

Project Lead the Way (PLTW) is a national pre-engineering and biomedical sciences education program found in more than 4,000 high schools in all 50 states. Its sequence of courses, when combined with appropriate mathematics and science courses in middle and high school, introduces students to the scope, rigor and discipline of engineering, technology, and biomedical sciences prior to entering college. The programs' formal curriculum is rigorous and contemporary, problem/project-based, and is supported by 16 relevant teacher professional

developments. Students who successfully complete one or more PLTW courses may be eligible for college credit from more than 60 affiliate colleges and universities.

Engineering Courses

The Engineering program engages high school students through a combination of activities-based, project-based, and problem-based learning, which creates an environment for applying engineering concepts to real problems. Students become prepared to:

- Solve problems
- Participate as part of a team
- Lead teams
- Speak to a public audience
- Conduct research
- Understand real-world impacts
- Analyze data
- Learn outside the classroom

BIOMEDICAL SCIENCE – 850

1 CREDIT

Full Year

Investigation of health conditions i.e., heart disease, diabetes, sickle-cell anemia and infectious diseases. Investigation of factors such as, lifestyle choices and medical treatments are explored. Activities introduce human physiology, and medical research.

INTRO TO ENGINEERING DESIGN – 860

1 CREDIT

Full Year

The focus of this class is the design process and application of engineering principles. Students apply engineering standards using 3D software to design solutions to proposed problems.

COMPUTER SCIENCE ESSENTIALS – 871

1 CREDIT

Full

Year

Computer Science Essentials is a freshman course and is the first course in the Computer Science STEMM program. Introduction to Computer Science is designed to be a first computer Science course for students who have not programmed. The students will explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming by using the Python programming language and creating apps for mobile devices using MIT App Inventor, students will build

computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis

The paths to graduation from CBHS are many and varied. CBHS strives to meet each student's individual educational needs ranging from students in our De La Salle Scholars program to students who may require remediation in math and/or English skills.

FOUR YEAR PLAN

	9th	10th	11th	12th	Total Credits
English					
Religion/Ethics					
Social Studies					
Science					
Math					
Foreign Language					
PE					
Fine Art					
Electives					
Total Credits					

Use this grid to help plan your course of study. Enter the credits you earn each year in each subject area. The TOTAL CREDITS earned in each subject area will be totaled at the end of the row. The TOTAL CREDITS earned in each grade level will be totaled at the end of the column.