



*Where Eagles Learn to
Soar*

Liberty-Benton High School

2024-2025 Course Descriptions

***The choices you make
today dictate the life you
lead tomorrow.***

Mixed Chorus (311)

Prerequisite: None (Students moving into the district must have previous choral experience at their former school to join chorus mid-year.)
Credit: 1 Grades: 9-12 Length: 1-year
Cost: Solo and ensemble fees for those participating

Mixed Chorus will offer the students participation in a variety of musical experiences. These may include singing classical, sacred, and contemporary literature. Maintain the line of one part within the framework of two-four part choral music, Develop good vocal technique with proper breath support, blend, balance, diction, and tone production, Identify musical terminology and concepts such as dynamics, tempo, phrasing, intonation, etc., Sing a variety of music of many styles, including classical, sacred, secular, popular, and contemporary, Encouraged to be involved in the Winter Musical as well as Solo and Ensemble Adjudicated Events, Perform for OMEA District and possibly State Adjudicated Events in the spring.

Take responsibility for being present and contributing to ALL classes, rehearsals, and performances.

Advanced Chorus (312)

Prerequisite: At least one year in Mixed Chorus or a comparable group from another district AND by audition. If a student has not been in Mixed Chorus for a year, they may still audition to be in this group if they are in grades 10-12.
Credit: 1 Grades: 10-12 Length: 1-year
Cost: Solo and ensemble fees for those participating

Advanced Chorus will offer the students participation in a variety of musical experiences. These may include singing classical, sacred, and contemporary literature. This course is an advanced continuation of Mixed Chorus for participation of junior and senior students. Students in this course will be held to higher standards of excellence and will be expected to take responsibility for the quality of their performances. Maintain the line of one part within the framework of four-twelve part choral music, Continue to develop vocal technique with proper breath support, blend, balance, diction, & tone production, Identify musical terminology and concepts such as dynamics, tempo, phrasing, intonation, etc., Sing a variety of music of many styles, including classical, sacred, secular, popular, and contemporary, Strongly encouraged to be involved in the Winter Musical as well as Solo and Ensemble Adjudicated Events, Perform for OMEA District and possibly State Adjudicated Events in the spring.

Take responsibility for being present and contributing to ALL classes, rehearsals, and performances.

High School Band (310)

Prerequisite: Middle School Concert Band or previous experience playing a band instrument preferred
Credit: 1 Grades: 9-12 Length: 1-year
Cost: band camp, uniform dry cleaning, shoes, shirt, gloves, instrumental repair

Liberty-Benton High School Bands offer all students an opportunity to creatively express him/her through the combined efforts of instrumental ensemble playing. This is a performance-oriented group, which serves a multi-faceted purpose: Publicly, it provides music for football games, basketball games, as well as being showcased in public/school concerts throughout the year. Socially, it serves as a group where students of like interests can join to share their talents, as an opportunity to foster leadership, musicianship, friendship, and team building. Most importantly, educationally, the band serves as a class to learn about music, develop excellent musical skills, as well as experience accomplishments that derive from competitive and non-competitive teamwork.

The following subgroups comprise the Liberty-Benton High School Bands:

MARCHING BAND-Fall will: Performs at all football games, as well as several marching band competitions, It is required that ALL students involved in the Band Program are to participate in the MARCHING BAND in some capacity, It should be understood that there are additional after school rehearsals for the MARCHING BAND. All additional rehearsals are discussed with the coaches of athletic teams to avoid any conflicts with students who are involved in both.

CONCERT BAND-Winter and spring will: follow at the end of marching season, performing at several concerts as well as Large Group Adjudicated Events (as hosted by The Ohio Music Education Association), It is required that ALL students involved in the Band Program are to participate in CONCERT BAND.

GOALS OF THE CURRICULUM: To develop competent musicians, develop and foster an appreciation for music, To expose students to a wide variety of music and playing opportunities, To understand a wide musical vocabulary, Implementation of the Nine Standards set for the music by the Music Educators' National Conference.

It is to be understood that ALL rehearsals and performances are REQUIRED.

Music Theory & Appreciation (314)

Prerequisite(s): 1-year HS Band or Choir Co-Requisite: HS Band or Choir
Credit: 1 Grades: 11, 12 Length: 1-year Cost: Class Fee

This is an introduction to Music Theory through the learning of scale patterns, chords, melody, harmony, ear training, composition, and part writing. This course is also designed to introduce representative musical masterworks to high school students. Music Appreciation is a study of the materials of music, including basic elements, mediums, styles, and form is presented as an aid to understanding and enjoying music. The listening to and analysis of recordings is included. The topics studied will include basic music terms, musical time periods, the history of jazz, musicals, origins of today's pop music and discussing the aesthetic values of music.

Spanish IV (188) CCP credit through Rhodes State College (712 – SPN 2010). See page 18.

Prerequisite(s): Spanish III

Credit: 1

Grade: 11, 12

Length: 1-year

Cost: None

In Spanish IV, students will progress on the path to proficiency further into the intermediate level. Students will focus on interpretive communication (reading and listening) through cultural units and novels, being able to understand the main idea and key information from connected sentences and short paragraphs. In addition, students will use presentational communication (writing and speaking) to present information using organized connected sentences and series of connected sentences. Finally, students will further develop interpersonal skills; exchanging information in conversations and asking a variety of follow-up questions using a series of connected sentences at the intermediate-mid level.

Spanish V (189) CCP credit through Rhodes State College (713 – SPN 2020). See page 18.

Prerequisite(s): Spanish IV

Credit: 1

Grade: 12

Length: 1-year

Cost: None

In Spanish V, students will progress even further in proficiency to the top of the intermediate level. Students will focus on interpretive communication (reading and listening) through cultural units and novels, following the main message or flow of events from paragraphs across various time frames. In addition, students will use presentational communication (writing and speaking) to present information using organized connected sentences that may form paragraphs across various time frames. Finally, students will hone in on interpersonal skills; negotiating meaning while exchanging information in extended conversations and discussions and asking a variety of questions using connected sentences and paragraphs at the intermediate-high proficiency level.

LANGUAGE ARTS

English 9 (200)

Prerequisite(s): None
Grades: 9

Credit: 1
Length: 1-year

Cost: Novel Fee

English 9 incorporates a development of grammar, composition, and literature, as well as a study of vocabulary. Students will: Read, discuss and evaluate the short story, nonfiction, poetry, drama, and the novel, Further their understanding of library skills and MLA citations by researching for a persuasive and environmental/social/political paper, Broaden their knowledge of vocabulary words and expand their word choice, Develop recognition of parts of speech and common errors in convention, Develop composition skills in subject/verb agreement, sentence structure, capitalization, punctuation, organization and support, using examples, opinion and fact.

English 10 (202)

Prerequisite(s): English 9
Grades: 10

Credit: 1
Length: 1-year

Cost: Novel Fee

English 10 concentrates on fiction and non-fiction texts, speaking and listening, viewing and visually representing, and composition. Student will analyze novels, historical documents, short stories, poetry, speeches, and themes across different media and texts. They will demonstrate their analytical ability through writing, projects (individual and group), presentations, speeches, and classroom discussion Compositions will focus on college style writing exploring narrative, informative, and persuasive essays as well as literary analysis while adhering to proper formatting guidelines and including in-text citations and Works Cited pages when applicable. Students will continue to develop vocabulary and word usage skills as well as demonstrate appropriate use of the English language in spoken and written format.

English 11 (204)

Prerequisite(s): English 9 & 10
Grades: 11

Credit: 1
Length: 1-year

Cost: Novel Fee

English 11 explores the history and continuity of American literature and emphasizes the development of writing skills and vocabulary. The students will complete a term paper in the spring, along with a variety of reading assignments and written essays. Students will study the origin and development of American literature and major literary movements. Students will write paragraphs, essays, and reports on a variety of topics to demonstrate analytical and critical abilities. Students will continue to develop vocabulary and word usage skills. Students will study the characteristics and importance of style in both reading and writing.

English 12 (206)

Prerequisite(s): English 9, 10, & 11
Grades: 12

Credit: 1
Length: 1-year

Cost: None

English 12 encompasses a sampling of the British literature curriculum from the Anglo-Saxons through the 21st century while incorporating informative texts from present-day issues. There will be a variety of genres used to achieve this: short stories, poems, novels, plays, and articles. There will be essays assigned that are personal, informative, and narrative-based. At various times throughout the course, there will be projects assigned, both individual and group, and speaking and listening skills will be assessed. Most of the class is paperless, so students will be expected to use technology to access handouts, articles, books, and Google Drive.

English Composition (730) Only offered for CCP through Rhodes State College COM 1110. See page 18.

Prerequisite(s): CCP requires a 2.75GPA as well as a B in English 11 or 18 ACT English, 22 ACT Reading or 250 Next Gen Reading Accuplacer score.
Credit: 1
Length: 1 semester

Grades: 12
Cost: None

This is a workshop class that provides practice in organization and effective expression of ideas through writing. The variety of writing includes narratives, abstracts, technical, persuasive, and creative writings. MLA8 citations will be used and an extensive persuasive essay is a culminating project of the class. Revision and peer feedback are used throughout the class. Most of the class is paperless, so students will be expected to use technology to edit, share, and access handouts and articles.

Technical Writing (731) Only offered for CCP through Rhodes State College COM 1140. See page 18.

Prerequisite(s): CCP requires C or better in English Composition (COM 1110)
Credit: 1
Length: 1 semester

Grades: 12
Cost: None

Extensive application of the principles of good writing in industrial and academic reporting, with emphasis on the techniques of presenting information graphically as well as in clear, concise, written form.

Comp. & Literature (732) Only offered for CCP through Rhodes State College COM 2400. See page 18.

Prerequisite(s): CCP requires C or better in English Composition (COM 1110)
Credit: 1
Length: 1 semester

Grades: 12
Cost: None

This is a workshop class that builds on the writing foundational skills introduced in English Composition. Using literature as the course content, students focus upon essay writing in multiple genres. This course aims to develop the student's ability to communicate ideas about literature effectively by using the principles of the writing process. Most of the class is paperless, so students will be expected to use technology to access handouts, articles, books, and Google Drive.

Public Speaking (209) CCP credit through Rhodes State College (733 – COM 2100). See page 18.

Prerequisite(s): English 9, & 10
CCP requires a 2.75GPA as well as a B in English 11 or 18 ACT English, 22 ACT Reading or 250 Next Gen Reading Accuplacer score
Credit: 1 Grades: 11, 12 Length: 1 semester Cost: None

Public Speaking covers the main types of speeches: informative, demonstrative, impromptu, and persuasive. Students will write their own speeches, present them to the class, and have a visual for each speech. There will also be a partner persuasive speech, and students will be expected to create a digital presentation for this. Peer evaluation is also used to help improve speaking skills.

World Mythology (222)

Prerequisite(s): None Credit: .5
Grades: 11, 12 Length: 1 semester Cost: Novel Fee

In World Mythology, students will explore myths, stories, and the hero's journeys from all around the globe through movies, literature, essays, and individual projects. Joseph Campbell's studies of The Hero's Journey as discussed in *The Power of Myth* will be utilized as a basis for comparison throughout the semester. *Students who enjoy reading, working independently, and developing cultural awareness would enjoy this new humanities class.*

Reading Survey (221)

Prerequisite(s): None Credit: .5
Grades: 9, 10, 11, 12 Length: 1 semester Cost: Novel Fee

Reading Survey is designed to strengthen students' critical reading and thinking skills, improve their academic literacy, and expand their literary foundation. Through a framework of meaningful content, on-going assessment, and focused, explicit instruction, students will evaluate literature of diverse formats (e.g. print media, web-based texts, literary and informational books, articles and speeches) and varied genres (including autobiography, mystery, fantasy, sci-fi, and nonfiction to name a few). Additionally, students will demonstrate competencies through purposeful applications based on individual and collective literacy goals. Students who enroll in this course should expect regular reading assignments and be prepared to engage in meaningful discussion on a daily basis.

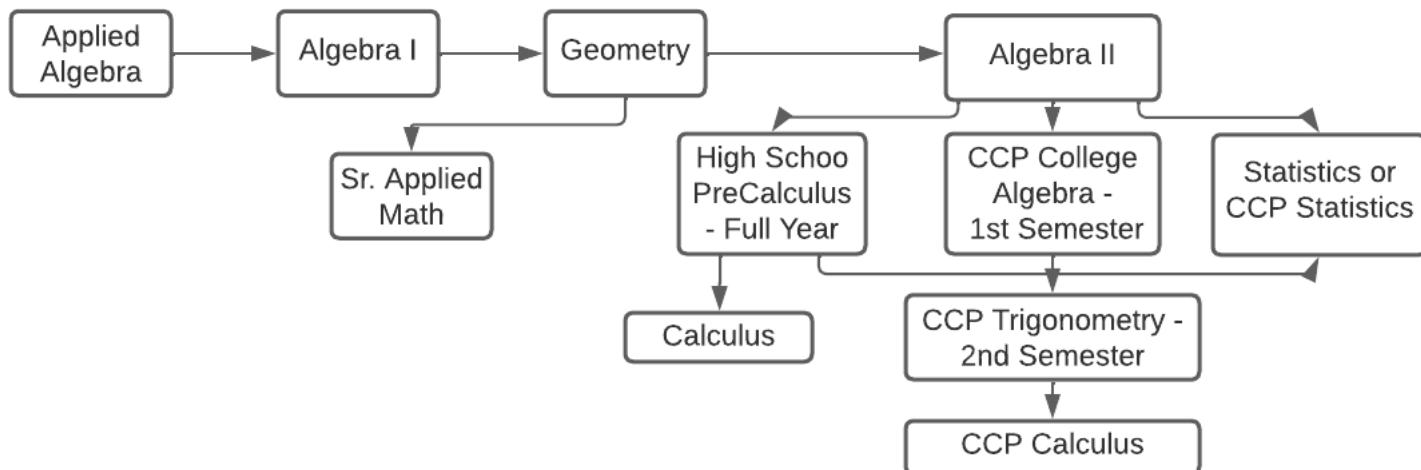
Yearbook I, II, III, and IV (360, 361, 362, 263)

Prerequisite: Application Credit: 1
Grades: 9, 10, 11, 12 Length: Full Year Cost: None

This course will be in charge of producing the high school annual. Basic concepts of running a business will be covered. Topics such as raising money through ad campaigns and patrons, cutting costs to maintain a positive balance, meeting your customer's needs and wants, and seeing a project from start to completion will be taught. When a student leaves this class, they will have experience in completing short and long-term goals and working as a team. They will also have samples of their work to show college recruiters and business professionals. The class is primarily project oriented, giving students a hands-on approach to learning. Evaluations will be based primarily on deadline completions and class contributions.

MATHEMATICS

Liberty-Benton Mathematics Sequence



Applied Algebra (102) This is not a college prep course or NCAA core course.

Prerequisite(s): None

Credit: 1

Grades: 9

Length: 1 Year

Cost: None

Pre-Algebra is the first class of the minimum-graduation requirement mathematics sequence. This course will differ from the Pre-Algebra course offered in the middle school in that it will expand on all the basic Algebra principles. This course will directly relate to the Algebra standards required on the Ohio Graduation test. This is NOT a college prep course. Topics covered will include: Mathematical operations involving integers, whole numbers, real numbers, rational numbers, and irrational numbers, Mathematical operations involving fractions, decimals, and exponents, Expressions and operations involving scientific notation, Collecting and organizing data, representing data with tables and graphs, solving equations and equalities, Evaluating functions and graphs, Polynomials.

Algebra I (103)

Prerequisite(s): Pre-Algebra

Credit: 1

Length: 1-year

Grades: 9, 10

Cost: Students are encouraged to have a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

Algebra I is the first of the 'core' college-preparatory math courses, but is not restricted to those who intend to go to college. Topics from Pre-Algebra are reviewed, including arithmetic of signed numbers and solving simple linear equations. Also taught are factoring, solving linear inequalities and quadratic equations of 1 variable, and solving equations and simplifying expressions that involve algebraic fractions. Students will gain experience in setting up and solving systems of equations. The concept of a function is introduced and developed, and students are taught to evaluate and graph linear and quadratic functions.

Geometry (104)

Prerequisite(s): Algebra I

Credit: 1

Length: 1-year

Grades: 9-11

Cost: Students need to have a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator as well as a compass and straightedge

Geometry is a core college-preparatory course open to students who have earned credit for Algebra I. Relationships of points, lines, planes, angles, circles, and polygons are taught and students are shown how to prove statements using various methods. Compass and straightedge constructions are done with emphasis on why they work. Area and volume of common geometric solids and figures are studied, as are topics of graph theory.

Algebra II (105)

Prerequisite(s): Geometry

Credit: 1

Length: 1-year

Grades: 10-12

Cost: Each student needs a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

Algebra II is one of the core college preparatory math courses, but students who do not intend to go to college may enroll in the course. Topics from Algebra I are reviewed and extended. Arithmetic of polynomial and algebraic fractions, including factoring techniques, simplifications of radicals, and solving equations and inequalities are taught. Students learn about negative and rational exponents, learn how to use the quadratic formula, and gain a better understanding of functions. They broaden their understanding of coordinate geometry, especially the equations of conic sections (circles, parabolas, ellipses, and hyperbolas). Topics also covered are complex numbers, trigonometry, matrices, exponential and logarithmic functions, probability, and statistics. Throughout the course there are many opportunities to solve real world problems.

Senior Applied Math (106) - This is not a college prep course or NCAA core course.

Prerequisite(s): Geometry Credit: 1
Length: 1-year Grades: 12

Cost: Students are encouraged to have a TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

This class is open to seniors seeking a fourth credit of mathematics and who are not on a college-prep track. This course does NOT meet NCAA guidelines. The goal of this class is to promote reasoned problem-solving of algebraic principles through real-life scenarios and application. This is accomplished by investigating various concepts. These concepts include: extending understanding of real numbers to complex numbers, evaluating functions and their respective domain and ranges, best fitting statistics and data to graphs, performing operations on polynomials and extending basic trigonometric properties. Topics are not to these concepts; however, curriculum will be aligned to meet several common core Algebra II standards.

Statistics (720) CCP credit through Rhodes State College (712 – MTH 1260). See page 18.

Prerequisite: Strong A's or B's in mathematics.
CCP requires a 2.75GPA as well as a B in Algebra II or 22 ACT Math or 263 QAS Accuplacer score.
Credit: 1 Grades: 11, 12
Length: 1-semester Cost: None

This course will cover data collection, frequency distribution, graphs, measures of central tendency and dispersion, probability concepts, probability distributions, sampling distributions, confidence intervals, hypothesis testing, analysis of variance, and correlations and regression analysis. This course may be taken concurrently with other math courses. This course will require time spent outside of class to complete assignments, projects and study for exams.

Pre-Calculus (107)

Prerequisite(s): Recommended "B- "or better in both Algebra II and Geometry
Credit: 1 Grades: 11, 12
Length: 1-year
Cost: Each student needs TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

This course will be a full year course and will be taught concurrently with the Rhodes CCP courses of College Algebra and Trigonometry. The course will cover all the concepts listed in those courses.

College Algebra (721) Only offered for CCP through Rhodes State College (MTH 1370). See page 18.

Prerequisite(s): CCP requires a 2.75GPA as well as a B in Algebra II or 22 ACT Math or 263 QAS Accuplacer score.
Credit: 1 Grades: 11, 12
Length: 1-semester
Cost: Each student needs TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

This course covers equations and inequalities, complex numbers, graphs and equations of lines, functions including quadratic functions and composite functions, inverse functions, polynomial and rational functions, the Fundamental Theorem of Algebra, exponential and logarithmic functions, systems of equations and inequalities, conic sections, and sequences and series.

Trigonometry (722) Only offered for CCP through Rhodes State College (MTH 1430). See page 18.

Prerequisite(s): CCP requires C or better in College Algebra (MTH1370).
Credit: 1 Grades: 11, 12
Length: 1-semester
Cost: Each student needs TI-83, TI 83 Plus, TI-84 or TI-84 Plus graphing calculator

This course covers equations and inequalities, complex numbers, graphs and equations of lines, functions including quadratic functions and composite functions, inverse functions, polynomial and rational functions, the Fundamental Theorem of Algebra, exponential and logarithmic functions, systems of equations and inequalities, conic sections, and sequences and series.

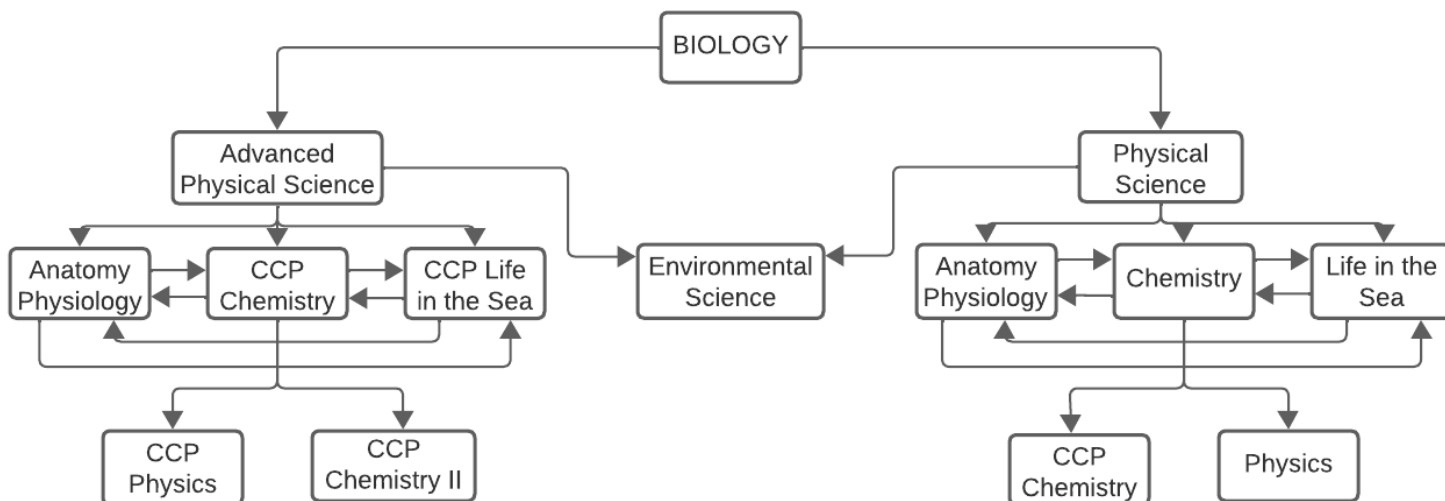
Calculus (109) CCP credit through Rhodes State College (723 – MTH 1711). See page 18.

Prerequisite(s): Recommended "B- "or better in Pre-Calculus. CCP requires C or better in College Algebra (MTH1370) **and** Trigonometry (MTH 1430) or a 27 on the ACT Math or 296 on AAF Accuplacer score.
Credit: 1 Grades: 12
Length: 1-year Cost: None

Calculus is for the student who plans to have a college major in sciences, engineering, economics, and/or business, and has completed all other college preparatory math courses offered at Liberty-Benton. Taught are the topics Functions, Limits and Continuity, Extrema, Mean Value Theorem, Curve Plotting the Derivative and its applications, and the Integral and its applications.

SCIENCE

Liberty-Benton Science Sequence



Biology (151)

Prerequisite(s): None
Grades: 9

Credit: 1
Length: 1-year

Cost: Lab Fee

Biology is the study of all forms of life. In depth emphasis will be placed on the following areas: Properties and processes necessary for life. This includes the study of the cell, DNA, principles of heredity, and the history and evolution of life as it pertains to biological sciences, the diversity and interdependence of all life including various ecosystems and the interaction of living and non-living things, Historical perspectives, scientific approaches, and emerging scientific issues associated with the life sciences.

Physical Science (152)

Prerequisite(s): Successful completion of Biology
Grades: 10

Credit: 1
Length: 1-year

Cost: Lab Fee

This course introduces the general physical and chemical factors that will prepare students to be successful in subsequent science courses. An inquiry-based approach will be used to emphasize the following area: Graphical Analysis and Measurements, Significant Digits, Dimension Analysis, Energy, Constant Velocity, and Density.

Advanced Physical Science (153)

Prerequisite(s): Successful completion of Biology
Grades: 10

Credit: 1
Length: 1-year

Cost: Lab Fee

This course introduces advanced physical and chemical factors that will prepare students to be successful in the CCP Chemistry and Physics classes. An inquiry-based approach will be used to emphasize the following areas: Graphical Analysis and Measurements, Significant Digits, Dimension Analysis, Constant Velocity, Density, Atomic Structure, Nuclear Chemistry and the Periodic Table.

Environmental Science (158) – This is not a college prep course or NCAA core course.

Prerequisites: Biology
Grades: 11, 12

Credit: 1
Length: 1-year

Cost: Lab Fee

Environmental Science is an introductory course designed to apply basic geology, chemistry, and biology to understanding the environmental impacts of human activities. Topics covered include water resources, conservation and pollution; soils and geological processes; energy resources and conservation; atmospheric processes and air pollution; solid and hazardous waste management; population dynamics; and biodiversity. The political, economic, social, and moral aspects of resource use and environmental impacts are also explored. This is a lab course and will expose students to a variety of lab and field techniques.

High School Chemistry (154)

Prerequisite(s): Recommended: Algebra II and Physical Science with a minimum grade of a “C”
Credit: 1 Grades 11, 12

Length: 1-year

Cost: Lab Fee

Students will explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Chemistry is a laboratory-based class which encourages small group learning and will utilize both computer-based and traditional laboratory techniques to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include but are not limited to: measurement, dimensional analysis, physical properties of matter, atomic structure, electron configuration, periodic properties, chemical bonding, chemical reactions, the mole & stoichiometry, gasses, acids & bases. The main goal of this course is to provide a solid foundation in the study of matter and its changes. All students will develop methods of problem solving and proper laboratory technique.

CCP Chemistry (725) Only offered CCP through Rhodes State College (725 – CHM 1110). See page 18.

Prerequisite(s): Algebra II with a minimum grade of a “C” and Advanced Physical Science with a minimum grade of a “B”. CCP requires a 2.75 GPA as well as a C in Algebra II or 19 ACT math or 263 AAF Accuplacer scores.

Credit: 1 Grades: 11, 12 Length: 1-year Cost: Lab Fee

Students will explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Chemistry is a laboratory-based class which encourages small group learning and will utilize both computer-based and traditional laboratory techniques to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include but are not limited to: measurement, dimensional analysis, physical properties of matter, atomic structure, electron configuration, periodic properties, chemical bonding, chemical reactions, the mole, stoichiometry, gasses and acids and bases. The main goal of this course is to provide a solid foundation in the study of matter and its changes. All students will develop methods of problem solving and proper laboratory technique. Students who take this class will be eligible to take Chemistry 1110 for College Credit Plus through Rhodes State College. This course will move at a faster pace and include additional topics than College Prep Chemistry and will require time spent outside of class to complete assignments, projects and study for exams.

Chemistry II (726) Only offered CCP through Rhodes State College (CHM 1010). See page 18.

Prerequisite(s): Recommended: Advanced Chemistry with a minimum grade of a “B”

Credit: .5 Grades: 12 Length: 1 Semester Cost: Lab Fee

Introduces the fundamental principles of chemistry, including measurement and calculation; chemical stoichiometry; the properties of gasses; atomic and molecular structure; bonding; thermochemistry; and periodic properties.

Physics (156) CCP credit through Rhodes State College (727 – PHY 1120). See page 18.

Prerequisite(s): Chemistry with a minimum grade of “C”; Algebra II with a minimum of a “C”.

Credit: 1 Grade: 12 Length: 1-year Cost: Lab Fee

This course of physics is designed to introduce physics to students with a wide range of backgrounds and abilities. The class will show students how physics relates to their lives and the world around them. There is emphasis on mechanics, specifically motion and the forces that cause the motion. We also cover a variety of other topics including: momentum, energy, work, power, waves, fluids, and thermodynamics. The course uses the modeling format of learning which is a hands-on approach. Students develop a thorough understanding of the key concepts and how to apply them to real life situations. Key methods of learning include: interpretation and analysis of data, graphical analysis, vector analysis, and development of the mathematical model. The class emphasizes a deeper, qualitative understanding of the key concepts. Projects during the year include building a trebuchet and several practicals. The trebuchet involves some work at home, with time in class to perfect and problem-solve.

Anatomy and Physiology (157)

Prerequisite(s): Biology with a minimum grade of “C”.

Credit: 1 Grades: 11, 12 Length: 1-year Cost: Lab Fee

This course will focus on the study of human anatomy, identification and naming of body structures, and a study of human physiology- functions of body structures as well as the interrelatedness of body structure and function. The course will include lecture, discussion and laboratory sessions. Emphasis will be placed on the following:

1. Studying the relationship of structure and function of the major organ systems of the human body.
2. Studying the effects of diseases and disorders on the body structures.
3. Laboratory study including extensive dissections and related physiology experiments.

Life in the Sea (159) CCP credit through Bowling Green State University (600 – BIOL 1080). See page 18.

Prerequisite(s): Biology with a minimum grade of “C”

Credit: 1 Grades: 11, 12 Length: 1-year Cost: Lab Fee

Life in the Sea is a course that focuses on various aspects of our seas such as the geology of sea floors, the chemical and physical properties of ocean water, flora and fauna of the seas and the relations between humans and the sea. Emphasis will be placed on developing a respectful, caring attitude for the oceans and their inhabitants. The course is designed for those with strong interest in science. Students are expected to be mature, independent, use initiative and be self-motivated. A wide range of learning activities will be encountered-from dissections to projects to lectures and discussions.

College Credit Plus Courses taught at Liberty-Benton High School

Students may apply to take the following courses for high school and college credit through the universities indicated. In order to receive college credit, students must apply to and be accepted by the university. The colleges have specific prior course grades and test scores required for individual courses. These courses will be taught by our LBHS staff or university professor during the regular scheduled school day.

TAG - Transfer Assurance Guides - guarantee transfer for specific pre-major and beginning major coursework.

OTM - Ohio Transfer Module - general education courses that are guaranteed to transfer from one Ohio public institution to another.

Bowling Green State University

<u>LBHS</u>	<u>Bowling Green State University</u>	<u>College Credit</u>	<u>TAG / OTM</u>
Life in the Sea	BIOL1080- Life in the Sea	3 semester hours	OTM

Rhodes State College

<u>LBHS</u>	<u>Rhodes State College</u>	<u>College Credit</u>	<u>TAG / OTM</u>
American History to 1877	HIST 1610 – American History to 1877	3 semester hours	TAG / OTM
American History Since 1877	HIST 1620 – American History Since 1877	3 semester hours	TAG / OTM
American Sign Language I	ASL 1010 – American Sign Language I	4 semester hours	TAG
American Sign Language II	ASL 1020 – American Sign Language II	3 semester hours	TAG
American Sign Language III	ASL 2010 – American Sign Language III	3 semester hours	TAG
Spanish I (starting 24-25)	SPN 1010 - Beginning Spanish I	3 semester hours	TAG
Spanish II	SPN 1010 – Beginning Spanish I	3 semester hours	TAG
Spanish III	SPN 1020 – Beginning Spanish II	3 semester hours	TAG
Spanish IV	SPN 2010 – Intermediate Spanish I	3 semester hours	TAG
Spanish V	SPN 2020 – Intermediate Spanish II	3 semester hours	TAG
Personal Computing	CPT 1250 – Computer Applications in Workplace	3 semester hours	
Basic Manufacturing	IMT 1020 Manufacturing Concepts	2 semester hours	
C.A.D I	MET 1000 – Eng. Graphics w/AutoCAD	4 semester hours	TAG
Statistics	MTH 1260 – Statistics	3 semester hours	OTM
College Algebra	MTH 1370 – College Algebra	4 semester hours	OTM
Trigonometry	MTH 1430 – Trigonometry	3 semester hours	OTM
Calculus	MTH 1711 – Calculus	5 semester hours	OTM
Advanced Chemistry	CHM 1110 – Intro. To General Chemistry	4 semester hours	OTM
Chemistry II	CHM 1010 - General Chemistry	4 semester hours	
Physics	PHY 1120 – Physics I	4 semester hours	TAG / OTM
English Composition	COM 1110 – English Composition	3 semester hours	OTM
Technical Writing	COM 1140 – Technical Writing	3 semester hours	OTM
Composition & Literature	COM2400 – Composition & Literature	3 semester hours	OTM
Public Speaking	COM 2110 – Public Speaking	3 semester hours	OTM
Ag., Food & Nat. Resources	AGR 1000 – Introduction to Agriculture	3 semester hours	