Bath County High School
and
Mertz Career and Technical Education Center

Program of Studies 2025-2026

Dear BCHS Students and Parents,

Our 2025-2026 Bath County High School Program of Studies offers a wide variety of opportunities designed to offer multiple pathways and connections to post-secondary education and ultimately careers.

It is essential that all students pay particular attention to the outlined graduation and SOL requirements. The Virginia Department of Education has mandated many changes over the last few years. For additional information, please feel free to contact the BCHS Counselor for assistance.

As we prepare our students for a prosperous future, please remember that the graduation requirements are the minimum expectation and do not take full advantage of the rich course offerings here at Bath County High School. Colleges, universities, trade schools and employers are all seeking students who are lifelong learners. Employers want employees who not only know their work, but, know how to work. Every student needs to build a strong academic foundation. Students should also vigorously pursue the elective opportunities made available to them, especially those in our Career and Technical Education programs. Many of these programs can lead to industry certification.

Every effort will be made to provide the courses the student and parent have selected. However, demand for courses may cause students to be moved to other selections on their course selection sheet. Also, graduation requirements will be adhered to so that each student will have the same opportunity to graduate with the diploma type they wish to pursue.

Thank you for your interest in and support of Bath students and Bath County High School.

Sincerely,

Mr. Jonathan Taylor
Principal, Bath County High School and Director Mertz Career and Technical Education Center

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Bath County High School Mission Statement

The mission of Bath County High School is to provide a nurturing, accepting environment that recognizes individual qualities and needs and enables students to become self-directed, and lifelong learners.

PROGRAM OF STUDIES

Introduction

Each student will have an Academic & Career plan on file with the School Counseling Office. Starting in the Seventh Grade, students begin mapping out their high school and future plans. Ultimately, during the Eighth Grade we capture this formally in the student's Academic and Career Plan. Each year goals change and new interests develop, therefore, the Academic & Career Plan is a document that changes with the plans of the student and their parents. Students are encouraged to work on this with their parents. Activities are presented each year to assist the student in preparing for their future career path such as a Career and College Fair, career interest inventories, a research paper dealing with the student's area of choice, creating a resume and potential field trips to college and vocational centers.

Please note the addition of the revised Graduation Requirements effective for the Graduating Class of 2022 and beyond. Graduation Requirements are located on pages Policies 5-8 in this Program of Studies.

To follow is a listing of the courses and course descriptions that BCHS offers. We will also be incorporating a more formalized scheduling process. Also, the Department of Education has created new outlines and requirements for new diploma types and credits required for these diplomas. We have listed these requirements for your reference.

All new courses listed are subject to VDOE approval. This is particularly applicable to new CTE offerings.

BATH COUNTY HIGH SCHOOL

COURSE OFFERINGS BY GRADE LEVEL *(Subject to Enrollment)*

8th Grade Courses

English

English 8

Honors English 8

Math

Math 8

Algebra I Part I & II* *(Yearlong)*

Algebra I*

Science

Physical Science 8

Available to IEP Students

Resource 8

ELECTIVES:

Art I *

Band *

Digital Applications*

Intro. to Culinary Arts *

Spanish*

Yearbook*

Myths, Legends, and Mysteries*

Social Studies

US History 1865 - Present

Health/Physical Education

Health/PE 8

**** = High School Credit-Bearing Courses***

9th Grade Courses

English

English 9

Honors English 9

Math

Algebra I, Algebra I Part I & Part II *(Yearlong)*

Geometry

Science

Biology

Social Studies

World Geography

World History I, Honors World History I, World History II

Health/Physical Education

Health/PE9

GENERAL ELECTIVES

Advanced PE

Art I, Art II

Band

Spanish I

Yearbook

CTE ELECTIVES

Entrepreneurship Education

Transportation

Auto

Small Engine Technology I, Sm. Engine Tech II

Business Management & Information Technology

Accounting

Computer Information Systems

Design, Multimedia & Web Technology

Digital Applications

Programming

Architecture & Construction

Carpentry I****,** Carpentry II

Electricity I****,** Electricity II

Hospitality/Family & Consumer Sciences

Culinary Arts I******

Intro. to Culinary Arts

Independent Living

Nutrition & Wellness

***Possible Dual Enrollment course dependent upon GPA.*

10th Grade Courses

English

English 10

Honors English 10

Math

Algebra I

Geometry

Algebra Functions & Data Analysis

Algebra II

Science

Earth Science

Social Studies

World Geography

World History I, Honors World History I, World History II

Economics & Personal Finance

Local History - *History Elective*

Sociology - *History Elective*

Physical Education/Driver's Education

PE 10/Driver's Education

GENERAL ELECTIVES

Advanced PE

Art I, II, III

Band, Advanced Band

Ceramics

Spanish I, II,III

Yearbook

CTE ELECTIVES

Entrepreneurship Education

Transportation

Auto I, Auto II

Small Engine Technology I, Small Engine Technology II

Business Management & Information Technology

Accounting, Advanced Accounting

Business Management

Computer Information Systems, Advanced C.I.S

Design, Multimedia & Web Technology

Digital Applications

Medical Systems Administration

Principles of Business Marketing

Architecture & Construction

Carpentry I****,** Carpentry II

Electricity I******, Electricity II

Hospitality/Family & Consumer Sciences

Culinary Arts I, Culinary Arts II

Intro. to Culinary Arts

Independent Living

Science/Technology/Engineering

Energy & Power

Renewable Energy

Renewable Energy

***Possible Dual Enrollment course dependent upon GPA.*

11th GRADE COURSES

English

English 11
Honors English 11

Math

Geometry
Algebra Functions & Data Analysis
Algebra II
Pre-Calculus**

Science

Anatomy & Physiology
Biology II: Ecology
Chemistry**

Social Studies

VA/US History, Dual Enrollment VA/US History**
Economics & Personal Finance**
Local History - *History Elective*
Sociology - *History Elective*

GENERAL ELECTIVES

Advanced PE
Art I, II, III, IV
Band, Advanced Band
Ceramics
Spanish I, II, III

Work-Based Learning Program - If Elegible

Internship
Mentorship
Externship - 40 Hours

CTE ELECTIVES

Entrepreneurship Education

Transportation

Auto I, Auto II, Auto III
Small Engine Technology I, Small Engine Technology II

Business Management & Information Technology

Accounting, Advanced Accounting
Business Management
Computer Information Systems, Advanced C.I.S
Design, Multimedia & Web Technology
Digital Applications
Medical Systems Administration
Principles of Business Marketing

Architecture & Construction

Carpentry I**, Carpentry II
Cabinet Making I, Cabinet Making II
Electricity I**, Electricity II

Hospitality/Family & Consumer Sciences

Culinary Arts I, Culinary Arts II
Intro. to Culinary Arts
Independent Living
Nutrition & Wellness

Science/Technology/Engineering

Energy & Power
Renewable Energy

***Possible Dual Enrollment course dependent upon GPA.*

12th GRADE COURSES

English

English 12
Dual Enrollment English 12

Math

Algebra Functions & Data Analysis
Algebra II
Pre-Calculus**
Calculus**

Science

Anatomy & Physiology
Biology II: Ecology
AP Biology (Virtual Virginia)
Chemistry**
Physics**

Social Studies

VA/US Government
Honors VA/US Government
AP Psychology
Economics & Personal Finance**
Local History - *History Elective*
Sociology - *History Elective*

GENERAL ELECTIVES

Advanced PE
Art I, II, III, IV
Band, Advanced Band
Ceramics
Spanish I, II,III

Work-Based Learning Program - If Elegible

Internship - Career Planning & Development
Mentorship
Externship - 40 Hours

CTE ELECTIVES

Entrepreneurship Education

Transportation

Auto I, Auto II, Auto III
Small Engine Technology I, Small Engine Technology II

Business Management & Information Technology

Accounting, Advanced Accounting
Business Management
Computer Information Systems, Advanced C.I.S
Design, Multimedia & Web Technology
Digital Applications
Medical Systems Administration
Principles of Business Marketing*

Architecture & Construction

Carpentry I**, Carpentry II
Cabinet Making I, Cabinet Making II
Electricity I**, Electricity II

Hospitality/Family & Consumer Sciences

Culinary Arts I, Culinary Arts II
Intro. to Culinary Arts
Independent Living
Nutrition & Wellness

Science/Technology/Engineering

Energy & Power
Renewable Energy

Seniors Can Apply to the Following MGCC Programs

C.N.A.- Advanced Health Care Professional Program
WELDING
2nd Year of Jackson River Governor's School

***Possible Dual Enrollment course dependent upon GPA.*

ACADEMIC COURSES

**Possible 3 credit hour MGCC Dual Enrollment courses dependent upon 3.0 GPA including CHEMISTRY, ENGLISH 111 & 112 (English12), PRE-CALCULUS, PHYSICS, US HISTORY 121 & 122, PLS 135& 126 (AMERICAN NATIONAL POLITICS & STATE & LOCAL POLITICS) and ECONOMICS AND PERSONAL FINANCE as noted below.*

Course Number		Credit/Grades
ENGLISH		
99999E	**ENGLISH LAB**	**0 Credit**
	This laboratory course provides the student with assistance in fundamental English skills. It is recommended for students who are encountering difficulties in the area of English basic skills, reading skills, vocabulary, fluency, and comprehension. Students will learn to read for specific purposes as well as evaluate text. This course is taken concurrently with all English courses.	
Prerequisite:	**Staff or IEP Committee Referral**	**Grades 8-12**
1120RY	**ENGLISH 8**	**0 Credit**
	Students will have an understanding of the parts of speech and how they are applied. Students will apply these skills to writing logically organized papers. Students will also obtain knowledge of literary terms and apply these to the analysis and evaluation of poetic and literary works. Students will read a variety of novels and dramatic selections throughout the term and be evaluated on the basis of tests, oral reports, and written compositions. Study of Latin and Greek roots is utilized to enhance vocabulary comprehension.	
Prerequisite:	**None**	**Grade 8**
1120H	**HONORS ENGLISH 8**	0 Credit
	Students in Honors English 8 will master the same skills as students in English 8 with the addition of college level vocabulary, critical thinking skills, and major literary works. (Students are expected to have mastered the eight basic parts of speech upon entering the class and will be tested on this material within the first semester.) Students will read outside novels thematically linked to classroom activities taken from contemporary adolescent literature. Students will complete a research paper using MLA format. Study of Latin and Greek roots is utilized to enhance vocabulary comprehension.	
Prerequisite:	**Teacher Recommendation AND passing score on 6th and 7th grade Reading SOL OR comparable state test if a transfer student.**	**Grade 8**
1130RY	**ENGLISH 9**	**1 Credit**
	Students will expand their knowledge of sentence structure and mechanics. This knowledge will enhance all aspects of the student's creative and expository writing. Students will complete an expository/persuasive research paper using MLA format. Students will use previous knowledge of literary works to increase and synthesize anthologized literary works. Students will read a variety of novels and dramatic selections throughout the term and be evaluated on the basis of tests, oral reports, and written compositions. Study of Latin and Greek roots is utilized to enhance vocabulary comprehension.	
Prerequisite:	**English 8**	**Grade 9**

1130H	**HONORS ENGLISH 9**	**1 Credit**
	Students in Honors English will master the same skills as students in English 9 with the addition of the study of college vocabulary, critical thinking skills, and major literary works. Students will write a persuasive research paper using MLA format. Students will read outside novels thematically linked to classroom activities taken from Shakespeare and contemporary adolescent literature. Students will study the history of the English language leading to the understanding and use of Latin and Greek roots, prefixes, and suffixes.	
Prerequisite:	**English 8 AND Teacher Recommendation AND passing score on both the 8th grade Reading and Writing SOLs AND a grade of 80% or above in English 8 or Honors English 8.**	**Grade 9**
1140RY	**ENGLISH 10 - 1 Credit**	**1 Credit**
	Students will continue to develop the knowledge of Standard English usage. Students will also explore the structure of essays including well organized thesis statements and conclusions. Students will continue to read various literary genres focusing on all aspects of literary techniques as well as figurative language. Students will complete a persuasive research paper using MLA format. Study of Latin and Greek roots is utilized to enhance vocabulary comprehension.	
Prerequisite:	**English 9**	**Grade 10**
1140H	**HONORS ENGLISH 10**	**1 Credit**
	Students in Honors English will master the same skills as students in English 10 with the addition of college vocabulary and comprehensive reading skills covering a wider scope and breadth of literary works. Students will complete a persuasive research paper using MLA format. Students continue to study Latin and Greek roots, prefixes and suffixes and apply this knowledge to encoding and decoding vocabulary words. Students will read outside novels thematically linked to classroom activities taken from Shakespeare and contemporary adolescent literature.	
Prerequisite:	**Teacher recommendation AND grade of 80% or above in English 9 or Honors English 9.**	**Grade10**
1150RY	**ENGLISH 11**	
	Students will apply previous grammatical knowledge to writing all types of essays in a logically organized manner. Students will critically analyze works of American literature and their correlation to historical events. Students will read a variety of novels and dramatic selections throughout the term and be evaluated on the basis of tests, oral reports, and written compositions. A career research paper will be completed using MLA format. Study of Latin and Greek roots is utilized to enhance vocabulary comprehension.	
Prerequisite:	**English 10**	**Grade 11**
1150H	**HONORS ENGLISH 11**	**1 Credit**
	Students in Honors English will master the same skills as students in English 11 but with a wider scope of literary works and vocabulary. Students will complete a career research paper using MLA format. Students will read outside novels thematically linked to American history and classroom activities. Authors such as Hawthorne, Melville, Crane, Wilder, etc. contribute to the anticipated level of required college reading. Students will also write literary analysis responses to previously studied literary works, poetry, and musical selections.	
Prerequisite:	**Teacher Recommendation AND grade of 80% or above in English 10 or Honors English 10.**	**Grade 11**

1185AP **ADVANCED PLACEMENT (AP) ENGLISH LANGUAGE & COMPOSITION –ENGLISH 11** **1 Credit**

Learn about the elements of argument and composition as you develop your critical reading and writing skills. You'll read and analyze nonfiction works from various periods and write essays with different aims: for example, to explain an idea, argue a point, or persuade your reader of something. Skills you will learn: reading, analyzing, and interpreting a piece of writing, and evaluating a source of information. Gathering and consolidating information from different sources. Writing an evidence-based argument and drifting and revising a piece of writing. Advanced Placement Examination is given in the spring. A student's score may earn him or her college credit accelerated placement. AP exam cost is approximately $94.00. Dependent on annual budgetary considerations, this expense may be the responsibility of the student and/or parent.

Prerequisite: **Teacher Permission and Placement Essay**

1160RY **ENGLISH 12** **1 Credit**

Students will write critical responses to literary works. Students will work on correctly formatted essays for college applications as well as career readiness skills (resumes, interviewing skills, etc.). Students will study British literature and analyze literary techniques. Students will read a variety of novels and dramatic selections throughout the term and be evaluated on the basis of tests, oral reports, and written compositions. Students will complete a research paper using APA format to prepare for college. Students will also complete a Senior Project.

Prerequisite: **English 11** **Grade 12**

1160AY ***HONORS ENGLISH 12** **1 Credit**

*(*Possible 3 credit hour MGCC Dual Enrollment course)*

Students will complete the same skills as students in English 12 with a wider scope of literary works studied. They will study British literature and analyze literary techniques. Previous knowledge of the history of the English language will help students understand the evolution of Modern English. Students will work on correctly formatted college essays as well as career readiness skills (resumes, interviewing skills, etc.). Chaucer, Shakespeare, Shelly, Keats, etc. contribute to the anticipated level of required college reading. Students will complete a research paper in APA format to prepare for college. In addition, students will complete a Senior Project.

Prerequisite: **Teacher Recommendation <u>AND</u> passing score on both the EOC Reading and EOC Writing SOLs <u>AND</u> a grade of 80% or above in English 11 or Honors English 11.** ***If the student is pursuing this course for Dual Enrollment credit a 3.0 GPA will be required.***

ENG 111 ***ENG 111 – COLLEGE COMPOSITION I** **1 Credit**

*(*Possible 3 credit hour MGCC Dual Enrollment course – ENG 111)*

Introduces students to the writing process and the fundamental of the academic essay. Teaches student to refine topics; develop and support ideas; investigate, evaluate and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences and purposed. May include writing activities such as personal essays, arguments, summaries and paraphrases, documented essay and electronic communication.

Prerequisite: **Teacher Recommendation <u>AND</u> passing score on both the EOC Reading and EOC Writing SOLs <u>AND</u> a grade of 80% or above in English 11 or Honors English 11.** ***If the student is pursuing this course for Dual Enrollment credit a 3.0 GPA will be required.*** **Grade 12**

ENG 112 ****ENG 112 – COLLEGE COMPOSITION II*** **1 Elective Credit**

*(*Possible 3 credit hour MGCC Dual Enrollment course – ENG 112)*
Further develops students' ability to write for academic and professional contexts with increased emphasis on argumentation and research. Requires student to evaluate, integrate, and document print and digital sources to produce a range of academic and mutlimodal texts, culmination in a fully document research paper. This course require proficiency in using word processing and learning management software.

Prerequisite: ***Pass ENG 111 with 70% and 3.0 GPA for Dual Enrollment Credit***

1195AP **AP LITERATURE & COMPOSITION ENGLISH 12** **1 Credit**

The Advanced Placement English course is designed to enable students to appreciate and analyze works of literary merit and also provide them an academic rigor equal to a full-year, introductory college course. Through study of drama, prose, and poetry selections, students evaluate language and style. Students are expected to take the Advanced Placement Examination in Literature that is given in May. A student's score may earn him or her college credit accelerated placement.

Prerequisite: **Honors English 11 or English 11**

11710Y **CREATIVE WRITING** **1 Elective Credit**

This course is offered as an elective for students enrolled in grades 9-12. This course cannot be used to fulfill a regular English requirement. The objectives of this course are to stimulate student imagination, to teach the power and magic of words, and to develop the discipline and control that good writing requires. Literary forms to be studied include the essay, the poem, the script, and the short story.

Prerequisite: **None** **Grades 9-12**

MASS COMMUNICATIONS **1 Elective Credit**

Students will receive instruction in all aspects of scholastic journalism including: interviewing, reporting & editing, desktop publishing, layout & design, digital photography & editing, business marketing, and advertising design. Student will create and produce the school newspaper and the yearbook. Videography will be taught as a part of the online newspaper. Out-of-class responsibilities are required, such as: taking pictures at a game, attending an event to write the news story, or working in the photojournalism room after school or on media work nights.

Prerequisite: **None** **Grades 9-12**

MATH

3112RY **MATH 8** **0 Credits**

Objectives for this course are a continuation of the elementary K-8 sequence and will include all Math 8 SOL's. Problem solving is a major focus of this course. Topics will include, but are not limited to, proportions, percents, angles, volume and area, geometric transformations, probability and statistics, solving and graphing linear equations. The student will also use tables, graphs and rules to describe relationships, measurement, fractions, and decimals, positive and negative numbers. The DESMOS on-line calculator is an integral part of the Math 8 curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education. The Math 8 SOL Test will be given upon completion of this course.

Prerequisite: **None** **Grade 8**

3112PA **PRE-ALGEBRA** **0 Credits**

The objectives will include Math 8 standards of learning and basic Algebra standards of learning, which include, but are not limited to solving equations and inequalities, statistics, and linear equations. For eighth grade students, this course will serve as an introduction to the concepts found in Algebra I. Pre-Algebra is also offered as a bridge from Math 8 to Algebra I during the ninth grade year. The DESMOS on-line calculator is an integral part of the Pre-Algebra curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education.

Prerequisite: **A minimum Math 7 SOL test score of 450 AND Teacher Recommendation** **Grades 8-9**

31300Y **ALGEBRA I** **1 Credit**

Algebra I is the basic foundation for the advanced mathematics program. Students are encouraged to use Algebra as a tool for representing and solving a variety of practical problems. Tables and graphs are used to interpret algebraic expressions, solve equations and inequalities and analyze functions. The DESMOS on-line calculator is an integral part of the Algebra I curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education. The Algebra I SOL must be taken.

Prerequisite: **Math 8 OR Pre-Algebra OR receive a 450 or above on the 7th grade Math SOL and teacher recommendations.** **Grades 8-12**

31210P **ALGEBRA I Part I** **1 Elective Credit**

(Semester Long Course, connects to Algebra I Part II)

Algebra I - Part 1 is the first semester course of a two-semester algebra sequence covering the topics for Algebra I. In this two semester sequence, students have additional time to develop the algebraic skills needed to succeed in higher mathematics. The course focuses on the development of problem-solving skills and the acquisition of mathematical vocabulary and symbols. The active engagement of students along with the use of manipulatives and technology, particularly graphing calculators, will allow students to develop an understanding of the mathematical principles they are learning. Students must pass this course before moving to Algebra I - Part 2.

Prerequisite: **Math 8 OR Pre-Algebra OR receive a 450 or above on the 7th grade Math SOL and teacher recommendations.** **Grades 8-12**

31220P **ALGEBRA I PART II** **1 Credit**

(Semester Long Course, follows Algebra I Part I)

The main objectives of this course are solving linear equations and inequalities, graphing linear functions, and factoring polynomials. Students will learn to use algebra as a tool for representing and solving a variety of practical problems. Tables, graphs, and statistics will be used to analyze functions and interpret data. Graphing calculators, computers, and other appropriate technology tools will be used to enhance the understanding of functions. Algebra I SOL will be taken at the end of this course, if needed.

Prerequisite: **Algebra I Part I** **Grades 8-10**

31430Y **GEOMETRY** **1 Credit**

Geometry offers students a means of describing, analyzing, and understanding aspects of their world. Geometric modeling, visualizing, and spatial reasoning can be used to solve many kinds of problems. Coordinate geometry and other representational systems allow locations to be specified and described. Geometry also focuses on the development of reasoning and proof, using definitions and axioms. The DESMOS on-line calculator is an integral part of the Geometry curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education.

Prerequisite: **Algebra I** **Grades 9-12**

31340Y **ALGEBRA, FUNCTIONS AND DATA ANALYSIS** **1 Credit**

Provides an opportunity for mathematical ideas to be developed in the context of real-world problems. Students will learn to attach functional algebra to statistics, allowing for the possibility of standardizing and analyzing data through the use of mathematical models. Students will use transformational graphing and the regression capabilities of graphing calculators to find regression equations, and they will use them to analyze data and to predict the placement of data points between and beyond given data points. The DESMOS on-line calculator is an integral part of the Algebra Functions and Data Analysis curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education.

Prerequisite: **Algebra I and Geometry I. This class is a pre-cursor to Algebra II.** **Grades 10-12**

31840Y **COMPUTER MATHEMATICS** **1 Credit**

This course will utilize the graphing calculator to explore mathematical problem solving through computer programming. Students will analyze data in charts, graphs and tables; design, write and test computer programs that define constraints of a given problem; design and implement input/output phases of a program; define simple variable data types; translate mathematical expressions into a computer statement; implement conditional statements (if/then/else): and implement loops and iterative loops. This course will be taken in conjunction with any of the advanced level CTE courses. This course is valid for Standard diploma candidates who are specializing in one of the CTE career paths.

Prerequisite: **Algebra I and Geometry** **Grades 11-12**

31350Y **ALGEBRA II** **1 Credit**

Algebra II provides a systematic way to represent mathematical relationships and analyze change. Students need to understand the concepts and symbols of algebra, the structures that govern the manipulation of the symbols, and ways that the symbols can be used to record ideas and events. Students will explore patterns that are exponential and logarithmic and continue to develop the notion of families of functions. The DESMOS on-line calculator is an integral part of the Algebra II curriculum, which is based upon the Virginia course objectives endorsed by the Virginia Department of Education. **This course is required for the advanced studies diploma.**

Prerequisite: **At least an 80% in previous math classes and a verified credit in Algebra I OR Geometry.** **Grades 10-12**

PROBABILITY & STATISTICS **1 Credit**

The purpose of this course is to present concepts and techniques for collecting and analyzing data, drawing conclusions, and making predictions. A graphing calculator is used in this course.

Prerequisite: **Algebra II**

MTH 161 ***PRE-CALCULUS I** **1 Credit**

(*Possible 3 credit hour MGCC Dual Enrollment course – MTH 161)

Pre-Calculus is a study of functions, sequences and series, polar equations, trig, and analytic geometry. The graphing calculator will be used to investigate and enhance the understanding of realistic applications. Other topics in power, polynominal, rational, exponential, and logarithmic functions, and system of equations and inequalities will be discussed.

Prerequisite: **Algebra II, 3.0 GPA for Dual Enrollment Credit**

MTH 162 ***PRE-CALCULUS II** **1 Elective Credit**

(*Possible 3 credit hour MGCC Dual Enrollment course – MTH 162)

Presents trigonometry, trigonometric applications including Law of Sines and Cosiness and an introduction to conics. *This course is specifically designed for students planning to pursue collegiate study of math, science or engineering.*

Prerequisite: **70% Pre-Calculus I, 3.0 GPA for Dual Enrollment Credit**

MTH 263 ***CALCULUS** **1 Credit**

(*Possible 4 credit hour MGCC Dual Enrollment course – MTH 263)

This course is intended for students who have a thorough knowledge of college preparatory mathematics. Students will do extensive work with graphing, limits, the derivative and integration. Use of a graphing calculator is required for this class.

Prerequisite: **At least an 80% average in Math Analysis AND Teacher Recommendation.** **Grade 12**

99999M **MATH LAB**

This laboratory course provides the student with assistance in elementary algebra or geometry skills. It is recommended for students who are encountering difficulties in the areas of math anxiety, basic skills, problem solving, algebraic manipulations and/or algebra concepts. This course is taken concurrently with either Math 8, Pre-Algebra, Algebra or Geometry.

Prerequisite: **Teacher Recommendation** **Grades 8-12**

SCIENCE

41250Y **PHYSICAL SCIENCE** **0 Credit**

This course provides an overview of basic physical and chemical concepts. Topics include atom structure, the periodic table, types of chemical reactions, motion, waves, electricity, and magnetism. Students also conduct guided activities as well as collect data and draw conclusions.

Prerequisite: **None** **Grade 8**

43100Y **BIOLOGY** **1 Credit**

This course will explore the fundamental characteristics of life from the molecular level to the ecosystem level. Emphasis is placed on the unity, diversity, and interaction and interdependence of living things. Laboratory and inquiry experiences are a necessary component of biology and many topics will involve issue analysis by students with respect to practical and ethical concerns of science, technology and society.

Prerequisite: **Physical Science** **Grades 9**

43100H **HONORS BIOLOGY** **1 Credit**

Biology Honors is a rigorous laboratory science course providing an in-depth study of the Life Science Curriculum. Biology Honors is designed for the academically motivated student. The focus will be on independent learning and both the pace and the depth of study will be greater than that of the standard Biology course. Scientific Investigations will focus on Chemical and Biochemical Processes, Ecology, Cell Structure and Function, Inheritance and Protein Synthesis, Classification, Evolution, and Life Functions of Archaea, Bacteria, Eukarya, and Viruses. Students enrolled in this class will be required to take the Biology SOL end-of-course test.

Prerequisite: **80% in Physical Science or 450 Score Grade 8 Science SOL, Teacher Recommendation**

42100Y **EARTH SCIENCE** **1 Credit**

Earth Science is divided into four areas of study. The astronomy unit provides an opportunity to study the origin, composition and structure of the universe and the position of earth in space. The meteorological unit provides a study of the forces affecting our weather and their effect on the human environment. In the oceanography unit, the student learns to identify the dynamic forces affecting the movements of ocean water and the physical features found on the ocean floor. The unit of geology introduces rocks, minerals and the forces which shape our planet. Students are provided activities to promote mastery and understanding of the concepts of science presented in the four basic units of study. Writing activities and varied forms of instruction are used to enhance student achievement.

Prerequisite: **Biology** **Grade 10**

42100H **HONORS EARTH SCIENCE** **1 Credit**

This course is the study of Earth Science focuses on the interactions of Earth systems with resulting changes on crustal materials, landforms, rock structures, air, water, and life itself. The study of the earth is extended into the cosmos through an investigative exploration of the universe. Disciplines that will be studied are geology, astronomy, meteorology, and oceanography. Higher levels of thinking and reasoning are taught, including analysis and synthesis. Time will be allocated for independent research.

Prerequisite: *80% in Physical Science or 450 Score Grade 8 Science SOL, Teacher Recommendation*

46100Y **ENVIRONMENTAL SCIENCE** **1 Credit**

This course integrates the study of many components of our environment, including the human impact on our planet. These outcomes focus on scientific inquiry, the physical world, the living environment, resource conservation, humans' impact on the environment, and legal and civic responsibility. Instruction focuses on student data collection and analysis through laboratory experiences and field work. sced: 03033

Prerequisite: Physical Science **Grades 11-12**

43400Y **BIOLOGY II: ECOLOGY** **1 Credit**

Ecology is the study of the interaction of living organisms with one another and with their nonliving environment and matter. In this course, students will learn the basic ecological principles that govern nature. Students will also apply their knowledge to better understand important environmental issues. The ultimate goal is for students to gain the science knowledge necessary to analyze issues concerning humans and their interaction with the environment. Major topics include energy flow, bio-geochemical cycles, biotic and abiotic influences on communities of living things, population dynamics and an in-depth study of aquatic and terrestrial ecosystem pollution.

Prerequisite: **Earth Science and Biology** **Grades 11 or 12**

CMH 111 ***COLLEGE CHEMISTRY I** **1 Credit**

*(*Possible 4 credit hour MGCC Dual Enrollment course –CHM 111 & CHM 112)*

Chemistry deals with the structure and composition of matter that constitutes living things and their environment. It involves an extensive study of atomic structure and the interrelationships among atoms. Students will learn to predict products of given reactants and recognize reaction types. Emphasis is placed on the interdependence of atoms and Stoichiometry. Students are provided activities to help them better understand the concepts. Chemistry is recommended for admission to technical and nursing schools and to four-year colleges. This course may be taught virtually in a synchronous or asynchronous format. CHM 111 and CHM 112 may incur a student fee (est. $160) for lab materials, each semester.

Prerequisite: **Algebra II (concurrent) or Teacher Permission.** ***If the student is pursuing this course for Dual Enrollment credit a 3.0 GPA will be required.*** **Grades 11 or 12**

CHM 112	***COLLEGE CHEMISTRY II -** *(*Possible 4 credit hour MGCC Dual Enrollment course –CHM 111 & CHM 112)* Explores the fundamental laws, theories, and mathematical concepts of chemistry. Designed primarily for science and engineering majors. Requires a strong background in mathematics. Students must earn a grade of C or higher in the lecture portion of the course to earn an overall grade of C or higher. Part II of II.	
Prerequisite:	**Algebra II (concurrent) or Teacher Permission.** ***If the student is pursuing this course for Dual Enrollment credit a 3.0 GPA will be required. CHM III with Grade C or Higher.***	**Grades 11 or 12**
43300Y	**ANATOMY AND PHYSIOLOGY** Anatomy and Physiology is offered to students who are interested in furthering their understanding of how an organism's tissues, organs and systems function. Units to be covered include the brain and nervous system, respiration, the circulatory system, the actions of hormones, and mechanisms of disease. Topics are explored through discussion, numerous dissections and other laboratory experiments and research.	**1 Credit**
Prerequisite:	**Biology and teacher recommendation required - Chemistry recommended.**	**Grades 11 or 12**
43300H	**HONORS ANATOMY / PHYSIOLOGY**	**1 Credit**
	Anatomy and Physiology Honors is a discussion and laboratory-based study of the human body. This course examines the basic biological concepts of structure and function of the human body. Body systems such as the cardiovascular, respiratory, nervous, digestive, muscular, skeletal, and reproductive will be surveyed. Students will participate in extensive laboratory exercises and independent research, practicing their skills as observers and reporters of science. Enrolling in Anatomy and Physiology means students have undertaken a personal responsibility to work hard and manage their time to keep up with a rigorous curriculum.	
Prerequisite:	**80% in Honors Biology or Biology or 450 Score Biology Science SOL, Teacher Recommendation**	**Grades 11 or 12**
45100Y **PHY201**	***PHYSICS -** *(*Possible 4 credit hour MGCC Dual Enrollment course – PHY 201)* Physics uses concepts and equations to describe the physical world. This course emphasizes the topics of mechanics, wave motion, optics, electricity, and magnetism. Students will conduct guided experiments and solve word problems in these topics in order to reinforce concepts. Physics is highly recommended for prospective science and engineering majors. This course may be taught virtually in a synchronous or asynchronous format.	**1 Credit**
Prerequisite:	**Algebra II, Chemistry & DE Pre-Calculus** ***(no concurrent courses allowed). If the student is pursuing this course for Dual Enrollment credit a 3.0 GPA will be required.***	**Grade 12**
4370AP	**ADVANCED PLACEMENT (AP) BIOLOGY** - *Course Taught through Virtual Virginia* This course is intended for students who have a thorough knowledge of college preparatory science and are considering science as a major in college. The course prepares students for intermediate and advanced level college courses by making demands upon them equivalent to those made by full-year introductory college courses. The topics covered within this course are determined by the guidelines established by the College Board for AP Biology. They include molecules and cells, heredity and evolution, and organisms and populations. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing society of biology. Mastery of laboratory science skills and knowledge will also be obtained. All students will be required to take the AP Biology Exam and college credit may be earned through satisfactory achievement on this test. The AP Exam costs approximately $94. Dependent on annual budgetary considerations, this expense may be the responsibility of the student and/or parent.	**1 Credit**
Prerequisite:	**Biology and Chemistry (must have scored a minimum of 90 in Chemistry and have teacher recommendation.)**	**Grade 12**

SOCIAL STUDIES

27820S **U.S. HISTORY: 1865 TO THE PRESENT** **0 Credit**

Students will continue to use skills for historical and geographical analysis as they examine American history since 1865. The standards for this course relate to the history of the United States from the Reconstruction era to the present. Students should continue to develop and build upon the fundamental concepts and skills in civics, economics, and geography within the context of United States history. Students will use investigation as a foundation to delve into the political, economic, and social challenges facing the nation once reunited after the Civil War. This foundation provides a pathway to develop an understanding of how the American experience shaped the world's political and economic landscapes. The study of history must emphasize the historical thinking skills required for geographic analysis, economic decision making, and responsible citizenship. Students will apply these skills as they extend their understanding of the essential knowledge defined by all of the standards for history and social science.

Prerequisite: **None** **Grade 8**

22100Y **WORLD GEOGRAPHY** **1 Credit**

The course includes a detailed look at the main physical features of the earth's surface (land, climate, minerals, and vegetation) and how these elements cause the earth and its people to differ from place to place and country to country. There is a brief look at the basic ideas of world politics, world economics, world religions and people's behavior. With this background, the students survey the culture of the people over six populated continents. A special emphasis is placed on the study of the changing face of Russia, Peoples Republic of China, the developing countries of Africa, the Middle East and the United States.

Prerequisite: **None** **Grades 9-12**

22100H **HONORS WORLD GEOGRAPHY** **1 Credit**

This is a reading and writing intensive course designed to enhance critical thinking skills. The course includes a detailed look at the main physical features of the earth's surface (land, climate, minerals, and vegetation) and how these elements cause the earth and its people to differ from place to place and country to country. There is a brief look at the basic ideas of world politics, world economics, world religions and people's behavior. With this background, the students survey the culture of the people over six populated continents. A special emphasis is placed on the study of the changing face of Russia, Peoples Republic of China, the developing countries of Africa, the Middle East and the United States.

Prerequisite: **80% in 8th Grade History Course, Teacher Recommendation** **Grades 9-12**

23410Y **WORLD HISTORY I** **1 Credit**

The Standards of Learning for the students require exploration of people, places and patterns of life from ancient times to 1500 A.D. Students study the origins of much of our heritage using texts, maps, pictures, stories, diagrams, charts, chronological skills, inquiry/research skills and technology skills.

Prerequisite: **None** **Grades 9-10**

23410H **HONORS WORLD HISTORY I** **1 Credit**

This course involves a thematic and geographic survey of the people, events, and ideas from prehistory to 1500 AD. This is a reading and writing intensive course designed to enhance critical thinking skills.

Prerequisite: **80% in World Geography or 450 SOL Score on World Geography SOL, Teacher Recommendation**

23420Y **WORLD HISTORY II** **1 Credit**

The standards for students cover history and geography from the late Middle Ages (1500 A.D.) to the present with emphasis on Western Europe. Geographic influences on history continue to be explored, but increasing attention is given to political boundaries that developed with the evolution of nation states. Significant attention will be given to the ways in which scientific and technological revolutions created new economic conditions that in turn produced social and political changes and how the people and events of the past can be related to contemporary issues. The SOL's strike a balance between the issues, persons and documents. (Using texts, maps, pictures, stories, diagrams, charts and a variety of chronological inquiry/research and technological skills, students develop competence in chronological thinking, historical comprehension and historical analysis).

Prerequisite: **None** **Grades 9-12**

23420H **HONORS WORLD HISTORY II** **1 Credit**

This course involves a thematic and geographic survey of the people, events, and ideas from 1500 AD to the present. This is a reading and writing intensive course designed to enhance critical thinking skills.

Prerequisite: **80% in World Geography or 450 SOL Score on World Geography SOL, Teacher Recommendation** **Grades 9-12**

23600Y **VIRGINIA/U.S. HISTORY** **1 Credit**

This course examines topics dealing with social, economic and political aspects of the American society. Topics to be examined include: Early exploration of the New World, Colonial America, National Period, Manifest Destiny the Civil War, Reconstruction, the Westward Movement, World War I, the Great Depression, World War II, the Cold War, the Vietnam War, present history and its relation to past history. This course is required for a Virginia diploma.

Prerequisite: **None** **Grade 11**

HIS 121 ***UNITED STATES HISTORY I** **1 Credit**

*(*Possible 3 credit hour MGCC Dual Enrollment course – HIS 121) Fall Semester*

Available only to students who have successfully completed VA BOE graduation requirements for History and Social Sciences. Surveys United States History from its beginning through 1865. This is Part 1 of 2 of a MGCC Dual Enrollment Passport Transfer Course.

Prerequisite: **Teacher recommendation and Placement Essay required. MGCC Entrance Exam may be required. *3.0 GPA required.*** **Grade 11**

HIS 122 ***UNITED STATES HISTORY II** **1 Elective Credit**

*(*Possible 3 credit hour MGCC Dual Enrollment course – HIS 122) Spring Semester*

Available only to students who have successfully completed VA BOE graduation requirements for History and Social Sciences and HI 121. Introduces the history of the United States from 1865 to present. Includes major political, social and economic developments since 1865, overseas expansion, WWI and WWII, the Cold War, and the post-Cold War era. This is Part 2 of 2 of a MGCC Dual Enrollment Passport Transfer Course.

Prerequisite – United States History I, Teacher recommendation and Placement Essay required. MGCC Entrance Exam may be required. *3.0 GPA required. Must* **Grade 11**

24400Y **VIRGINIA/U.S. GOVERNMENT** **1 Credit**

This class is a study of the functions and development of the federal, state and local governments. The students will analyze the fundamental concepts of government as found within the Constitution and the governmental process of our political system. This course is required for a Virginia diploma.

Prerequisite: Virginia and U.S. History **Grade 12**

19262 ***ECONOMICS AND PERSONAL FINANCE** **1 Credit**

(Required for 2011 9th graders and beyond.) (*Possible 3 credit hour MGCC Dual Enrollment course – FIN 107.)

The objectives shall include but not be limited to, personal living and finances; personal and business money management skills; opening an account in a financial institution and judging the quality of a financial institution's services; balancing a checkbook; completing a loan application; the implications of an inheritance; the basics of personal insurance policies; consumer rights and responsibilities; dealing with salesmen and merchants; debt management; managing retail and credit card debt; state and federal tax computation; local tax assessments; computation of interest rates by various mechanisms; understanding simple contracts and learning how to contest an incorrect bill. This course may be taught through Virtual Virginia or a hybrid course using both Virtual Virginia and traditional in classroom teacher instruction.

Prerequisite: **None** **Grades 10-12**

2445AP **ADVANCED PLACEMENT (AP) VIRGINIA/U.S. HISTORY** **1 Credit**

The AP VA/US History course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretative problem, reliability and importance – and weigh the evidence and interpretations presented in historical scholarship. AP exam cost is approximately $94.00. Dependent on annual budgetary considerations, this expense may be the responsibility of the student and/or parent.

Prerequisite: **Teacher Permission and Placement Essay** **Grade 11**

2399AP **ADVANCED PLACEMENT (AP) EUROPEAN HISTORY** **1 Elective Credit**

Study the cultural, economic, political, and social developments that have shaped Europe from c. 1450 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Skills you will learn: evaluating primary and secondary sources. Analyzing the claims, evidence, and reasoning you find in sources. Putting historical developments in context and making connections between them. Coming up with a claim or thesis and explaining and supporting it in writing. Advanced Placement Examination is given in the spring. A student's score may earn him or her college credit accelerated placement. AP exam cost is approximately $94.00. Dependent on annual budgetary considerations, this expense may be the responsibility of the student and/or parent.

Prerequisite: **Teacher Permission and Placement Essay**

2212AP **ADVANCED PLACEMENT (AP) HUMAN GEOGRAPHY** **1 Elective Credit**

Explore how humans have understood, used, and changed the surface of Earth. You'll use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. Skills you will learn: connecting geographic concepts and processes to real-life scenarios. Understanding information shown in maps, tables, charts, graphs, infographics, images, and landscapes. Seeing patterns and trends in data and in visual sources such as maps and drawing conclusions from them. Understanding spatial relationships using geographic scales. Advanced Placement Examination is given in the spring. A student's score may earn him or her college credit accelerated placement. AP exam cost is approximately $94.00. Dependent on annual budgetary considerations, this expense may be the responsibility of the student and/or parent.

Prerequisite: **Teacher Permission and Placement Essay**

2900AP **ADVANCED PLACEMENT (AP) PSYCHOLOGY** **1 Elective Credit**

Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies. Skills you will learn: connecting psychological concepts and theories to real-life scenarios. Understanding and interpreting data. Analyzing research studies in psychology. Advanced Placement Examination is given in the spring. A student's score may earn him or her college credit accelerated placement. Advanced Placement Examination is given in the spring. A student's score may earn him or her college credit accelerated placement. AP exam cost is approximately $94.00. Dependent on annual budgetary considerations, this expense may be the responsibility of the student and/or parent.

Prerequisite: **Teacher Permission and Placement Essay**

29000S **PSYCHOLOGY** **1 Elective Credit**

Psychology is an introduction to the concepts, theories and applications of psychology. Topics covered include theories of learning, memory, sensation, perception, personality and current issues in psychology. Through the study of psychology, students gain a better understanding of themselves and others, as well as an acceptance of individual differences.

Prerequisite: **None** **Grades 10-12**

23000Y **LOCAL HISTORY OF BATH COUNTY** **1 Elective Credit**

This course will provide students with the opportunity to study the local history of Bath County. Each year the course will focus on a specific topic in Bath County's history. Students will be tasked with performing research, filming and editing oral history interviews, analyzing primary sources, and creating products to display their knowledge in an effort to educate their peers and the local community.

Prerequisite: **None** **Grade 10-12**

25000S **SOCIOLOGY** **1 Elective Credit**

It is an introduction to the science of society, social institutions, and social relationships. This course is designed to help students better understand their place in the groups to which they belong and the function, influence, and interaction of groups that form institutions, neighborhoods, and societies. Sociology investigates human society, social relations, organization, and change. Emphasis is placed on the study of such issues as delinquency, poverty, and changing family patterns. Students use surveys, case studies, experiments, and interviews to study aspects of human behavior.

Prerequisite: **None** **Grade 10-12**

23500S **MYTHS, LEGENDS AND MYSTERIES** **1 Elective Credit**

The purpose of this elective course is for students to engage in an enhanced exploration of the mythological legends of Africa, Asia, America and classical civilizations; religious traditions of East and West; and mysteries of the world today.

Prerequisite: **None** **Grade 8-12**

HEALTH/PHYSICAL EDUCATION/DRIVER EDUCATION

72000Y **HEALTH AND PHYSICAL EDUCATION 8** **0 Credits**

Students in Physical Education 8 concentrate on a variety of physical activities. The development of major muscle groups, body coordination and fitness training are emphasized as students are exposed to recreational sports, football, basketball and soccer. Forty percent of P.E. 8 is devoted to classroom instruction on personal growth and health, exposure to the negative effects of alcohol, tobacco and drugs. Physical Education classes are used to meet state "family life" requirements.

Prerequisite: **None** **Grade 8**

73000Y **HEALTH AND PHYSICAL EDUCATION 9** **1 Credit**

Students in Physical Education 9 concentrate on muscle toning, cardiovascular activities and weight training. Team sports and recreational activities are used to motivate fitness awareness. Students will spend forty percent of their P.E. time studying consumer issues, environmental health, disease prevention, family survival and first aid. State physical fitness tests and "family life" education are administered to students during this class.

Prerequisite: **Health and Physical Education 8** **Grade 9**

74050Y **HEALTH AND PHYSICAL EDUCATION 10 & DRIVER'S EDUCATION** **1 Credit**

74051Y - Driver's Ed

Students in Physical Education 10 concentrate on in-depth study and practice of individual team sports. Classroom drivers' education, mental health and family life instruction account for approximately seventy days of instruction. Students will be assessed by Virginia Fitness Standards two times during the year.

Prerequisite: **Health and Physical Education 9** **Grade 10**

76400Y **ADVANCED PE: STRENGTH TRAINING, CONDITIONING &PERSONAL FITNESS** **1 Credit**

The focus of this elective course will be physical conditioning with an emphasis on strength training and the skills and knowledge necessary to develop and individualized personal fitness program. A variety of activities will be incorporated to develop and enhance both the health and skill related components of fitness.

Prerequisite: **Teacher Permission** **Grade 9-12**

71100SY **DANCE I** **1 Credit**

The standards for Dance I provide students with a survey of the dance arts. Emphasis is placed on physical and creative skill development, and opportunities to experience and appreciate dance performance are provided. Historical and cultural studies expand students' understanding of dance as a vital contribution to society while helping them develop cognitive foundations from which to evaluate dance. Students become familiar with the various dance-related professions and the ways in which they function together to create dance productions.

Prerequisite: **NONE** **Grade 9-12**

FOREIGN LANGUAGE

A student considering a foreign language should have demonstrated above average achievement in English Language Arts. To gain the greatest benefit from the foreign language offerings, a student is encouraged to begin his study in the ninth grade. However, students who intend on pursuing the Jackson River Governor's School program may be considered to begin Spanish in 8th grade. College bound students are advised to investigate the specific requirements of the college in which they have an interest. Some colleges require that you have four years of a foreign language.

1008	**ENGLISH AS A SECOND LANGUAGE** Available only to students identified as English Language Learners. Any ESL course taken in high school is eligible to count as a World Language credit towards the Advanced Diploma, or as an elective. (Extensions available: I, II, III, IV, V)	**1 Credit** **Grades 8-12**
55100Y	**SPANISH I** Communicating in the target language is emphasized at the beginning level. Vocabulary and verb conjugations in the present tense are highlighted. Activities in reading, writing and listening reinforce the oral skills. Cultural and geographical aspects of the francophone and hispanophone are explored. This course may be taught virtually in a synchronous or asynchronous format. MGCC Entrance Exam may be required.	**1 Credit**
Prerequisite:	**Teacher recommendation**	**Grades 9-12**
55200Y	**SPANISH II** Oral proficiency is emphasized at the intermediate level. New vocabulary, grammar skills and verb conjugations are further refined. Cultural and geographical aspects of francophone/hispanophone nations are expanded. This course may be taught virtually in a synchronous or asynchronous format. MGCC Entrance Exam may be required.	**1 Credit**
Prerequisite:	**Spanish I**	**Grades 9-12**
55300Y	**SPANISH III** Fluency in the foreign language is developed and refined at this level. An increase in vocabulary, grammar skills, verb conjugation (the imperfect tense) and idiomatic expressions allow the student to converse in the target language. This course may be taught virtually in a synchronous or asynchronous format. MGCC Entrance Exam may be required.	**1 Credit**
Prerequisite:	**Spanish II**	**Grades 10-12**
55400Y	**SPANISH IV** Fluency in the foreign language is mastered at the advanced levels. Advanced vocabulary, grammar skills, verb conjugations, and idiomatic expressions allow the student to express himself in written composition and conversation. This course is taught in the target language only.	**1 Credit**
Prerequisite:	**Spanish III, Teacher Recommendation and an 80 or above grade.**	**Grades 11-12**

FINE ARTS

91200Y	**ART I** This course introduces students to the foundational elements and principles of design to be used as a basis for the development of a common language both visual and verbal. It provides an overview of many aspects of art through a variety of experiences such as drawing, painting, printmaking, and sculpting. The course stimulates creative thinking and problem solving, imparts technical knowledge, and develops expressive skills.	**1 Credit**
Prerequisite:	**None**	**Grades 8-12**

91300Y **ART II** **1 Credit**

This course provides students with the opportunity to build on the skills developed in Art I in the areas such as drawing, painting, printmaking, and sculpting. An in-depth exploration of a variety of media allows students to develop a personal style and to compile a portfolio.

Prerequisite: **Art I** **Grades 8-12**

91400Y **ART III** **1 Credit**

Students continue in the development of artistic and aesthetic skills learned in the first two years of art at a more advanced level with increased emphasis on personal expression and on the use of a wider range of media in the areas such as drawing, painting, printmaking and sculpture. Students continue to develop their portfolios.

Prerequisite: **Art II or Teacher Recommendation** **Grades 10-12**

91500Y **ART IV** **1 Credit**

This advanced course is designed for students who have a serious interest in art and have demonstrated a high level of proficiency. Students will be guided to work more independently with special emphasis on individual growth. This course provides the opportunity for the mature student to develop a portfolio and to apply art knowledge and techniques for personal expression.

Prerequisite: **Art III and Teacher Recommendation** **Grades 11-12**

91750Y **CERAMICS** **1 Credit**

This course is designed for students who want to concentrate on clay construction and more about clay. Specific ceramic techniques are used to make pots, sculptures and more for example. Emphasis is on form, design and craftsmanship.

Prerequisite: **None** **Grades 10-12**

91970Y **YEARBOOK** **1 Elective Credit**

In this course you will play the leading role in the creation of the Bath County High School Yearbook. As part of creating the book, you will learn the principles of art and design with a focus on graphic design. You will learn what makes page a spread in a magazine or a yearbook visually appealing and how to use the placement of text and images to guide a viewer's eye. In addition, you will learn the basics of photography.

Prerequisite: **None** **Grades 8-12**

92340Y **BAND** **1 Credit**

The band program is open to any student in the high school who has had previous band experience or has the director's permission. The concert and marching band is one ensemble. The Band rehearses during the school day (band class). Students enrolled in the band course are required to participate in band functions to include football games, parades, competitions, winter and spring concerts and District Band Festival in March. During Football season, the band will also rehearse on Fridays after school to prepare for the games. Students will be required to attend marching band camp during late July/early August. Any student that would like to be a part of band must be enrolled in band class.

Prerequisite: **Previous band experience or Director Permission** **Grades 9-12**

9234B8 **BEGINNING BAND** **0 Credit**

This class offers the high school band experience at the beginning level. The instruments taught are flute, clarinet, saxophone, trumpet, horn, trombone, tuba and percussion. Musical topics are introduced such as reading, music notation, analyzing and evaluating music, as well as scale and sight-reading performance. Students will also be introduced to marching and maneuvering in preparation for marching band.

Prerequisite: **None** **Grade 8**

9296Y **HIGH SCHOOL INSTRUMENTAL MUSIC, ADVANCED LEVEL** **1 Credit**

Students acquire more advanced technical and expressive skills along with demonstrating a mature level of musicianship. Demonstration of a variety of articulations, positions, alternate fingerings, and vibrato while playing required scales, arpeggios, and rudiments in more complex rhythmic patterns. Percussion students become more proficient in the use of timpani, mallet instruments, and auxiliary instruments. Through playing, improvising, and writing, students create expressive rhythmic and melodic variations. Research career options in music. Perform music at Solo Literature Grade Levels 4 and 5 of the Virginia Band and Orchestra Directors Association. Discuss and evaluate characteristics of personal performances, compositions, and the works of others. Discuss relationships between musical concepts and the concepts of other disciplines, and they are involved in exploring various cultures, styles, composers, and historical periods. Opportunities to participate in local, district, regional, and state events.

Prerequisite: **Presently enrolled in Band** **Grades 9-12**

MOUNTAIN GATEWAYCOMMUNITY COLLEGE

DUAL ENROLLMENT (DE) COURSES

The following courses are being offered through the BCHS Distance Learning Lab. These students will be expected to follow Mountain Gateway Community College's instructional schedule, even when it conflicts with Bath County High School's schedule, i.e. Thanksgiving, Christmas, Spring Breaks. Students will enroll in two (2) courses per semester.

PLS 135 & PLS 136

PLS135/PLS136 AMERICAN NATIONAL POLITICS/ STATE & LOCAL POLITICS - 3 Credit hrs. per semester

PLS 135 – 1.0 High School School History Graduation Requirement Credit

PLS 136 – 1.0 High School Elective Credit

Teaches political institutions and processes of the national government of the United States. First semester focuses on Congress, the Presidency and the courts. Second semester focuses on structure, power and functions of state and local government.

PSY 200 **PSY200 PRINCIPLES OF PSYCHOLOGY - 3 Credit hrs.** **1 Elective Credit**

Examines human and animal behavior, relating experimental studies to practical problems.

CST 110 **CST 110 INTRODUCTION TO SPEECH COMMUNICATIONS - 3 Credit hrs.** **1 Elective Credit**

Examines the elements affecting speech communication at the individual, small group and public communication levels with emphasis on practice of communication at each level.

EDU 200 **EDU200 – INTRODUCTION TO TEACHING AS A PROFESSION – 3 Credit hrs.** **1 Elective Credit**

Provides an orientation to the teaching profession in Virginia, including historical perspectives, current issues, and future trends in education on the national and state levels. Emphasizes information about teacher licensure examinations, steps to certifications, teacher preparations and induction programs and attention to critical shortage areas in Virginia.

Prerequisite: **Instructor Approval** **Grades: 12**

PREREQUISITES FOR ABOVE: Must have a 3.0 GPA, write a placement essay, and have recommendation from the MGCC committee. STUDENTS MUST TAKE BOTH COURSES EACH SEMESTER. Please see note below about payment of courses.

OFF-CAMPUS DUAL ENROLLMENT OPPORTUNITIES AT MOUNTAIN GATEWAY COMMUNITY COLLEGE

Welding, Advanced Healthcare Professional program, Jackson River Governor's School are all provided on campus at Mountain Gateway Community College's main campus. Students will be provided transportation through BCPS Buses to and from the BCHS campus.

WELDING

The following are examples of the Welding & Advanced Manufacturing/Wind Energy courses are offered through Dual Enrollment. All students must attend these classes on the Mountain Gateway campus:

WEL 117 – Oxy-Fuel Welding & Cutting
WEL 120- Introduction to Welding (Oxyacetylene)
WEL 123 - Shielded Metal Arc Welding (Basic)
WEL 124 – Advanced SMAW Welding
WEL 130 – Inert Gas Welding I
WEL 135 – Inert GAS Welding II
WEL 160 - Gas Metal Arc Welding
WEL 164 - Gas Tungsten Arc Welding (GTAW), Tungsten Inert Gas (TIG)
WEL 195 -Topics in GTAW II-Industrial
MEC 161 – Basic Fluid Mechanics Hydraulics/Pneumatics
ELE 180 – AC and SC Circuit Fundamentals

ADVANCED HEALTHCARE PROFESSIONAL

Certifications in: Certified Nursing Aide (C.N.A.) & Certified Clinical Medical Assistant (C.M.A.) when student passes the boards for each. Courses will cover Anatomy Physiology, Medication Terminology, Medical Terminology, and include 50 clinical hours at a predefined location. Students will be required to complete all courses, clinical hours, and set for the C.N.A boards and C.M.A. boards at the end of the year long course. The C.M.A board certification will be delivered to the student who passes on their 18th birthday if they take the test before they are 18 years of age.

All students taking DE courses must pass the MGCC Placement exam (given in March at BCHS or at MGCC upon arrangements with MGCC Student Services). Students must show evidence of aptitude, potential, and a commitment to doing college level work. Currently, Bath County Schools pays the full tuition for students selected to participate in Dual Enrollment classes ($165/ credit *subject to change); with the understanding that the student must make a "C" or better on the final grade for the class. Future tuition support is contingent upon funding available. Parents/guardians of DE students must agree to reimburse Bath County Schools for the full tuition cost (currently $495.00) for any course in which the student fails to attain a "C" or better for the final grade. Parents will be informed, in writing, of this requirement prior to finalization of enrollment of their student in DE classes.

JACKSON RIVER GOVERNOR'S SCHOOL FOR SCIENCE, MATHEMATICS AND TECHNOLOGY

Participants in the Jackson River Governor's School (JRGS) must be nominated by their high school. A selection committee reviews the applicants and selects the finalists and alternates. Application packets are available in the guidance office. Applications are due in early spring. Participants will be notified by April 15th. Applicants should be currently enrolled in the 10th grade and have completed Algebra I and II, Geometry and Biology with a grade of A or B. While not required, preference will be given to students who have also taken Trigonometry and Chemistry. Students must show evidence of aptitude, potential, strong interest in science and mathematics, and a commitment to doing college level work. Tuition is paid by BCPS. Students must maintain a "C" or above in every class.

Selection criteria considered by the screening committee include:
Mathematics course grades: Algebra I, Geometry, Algebra II (B or above).
Science course grades: Earth Science, Biology, Chemistry (B or above).
Stanford 9 scores: 90th percentile or above.
PSAT/SAT scores: 90th percentile or above.
Attendance: Consistent
Teacher and Counselor Recommendations

The following courses will be offered Jackson River Governor's School (JRGS). All students must attend these classes on the Mountain Gateway campus:

BIO 101 & 102	Biology: BIO 101 & 102 General Biology I – 4 college credits	2 High School Credits
CHM 111 & 112	Chemistry: CHM 111 & 112 College Chemistry I – 4 college credits	2 High School Credits
PHY 201 & 202	Physics: PHY 201 & 202 General College Physics I – 4 college credits	2 High School Credits
PHY 241	Physics: PHY 241 University Physics I – 4 credits	1 High School Credit
NAS 198	Research: NAS 198 Introduction to Research I – 2 credits	1 High School Credit
MTH 245	Statistics: MTH 245 Statistics I – 3 credits (year-long course)	1 High School Credit
MTH 161 & 162	Pre-Calculus: MTH 161 & 162 Pre-Calculus Math I – 3 credits	2 High School Credits
MTH 263 & 264	Calculus: MTH 263 & 264 Calculus w/ Analytic Geometry I – 4 credits	2 High School Credits
ITE 115	Information Technology: ITE 115 Introduction to Computer Applications and Concepts – 3 credits (year-long course)	1 High School Credit
SDV100	College Success Skills: SDV100 – 1 credit	1 High School Credit

CAREER/TECHNICAL COURSES

**Possible 3 credit hour MGCC Dual Enrollment courses dependent upon placement testing including Economics and Personal Finance, Culinary I. Possible 1 credit hour for OSHA in Carpentry I and Electricity I as noted below.*

9070Y **CAREER INVESTIGATIONS – Middle School CTE Course** **0 Credit**

This course will help students to identify and demonstrate the workplace skills that employers desire in their future employees. Students analyze their personal assets; explores career clusters, career pathway, or occupations; and draft an Academic and Career Plan based on their academic and career interests. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Prerequisite: **None**

9093 **ENTREPRENEURSHIP EDUCATION** **1 Credit**

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. Students will be task with the day to day operations of an instructor facilitated job list, while completing a curriculum that prepares students for successes of business ownership.

Prerequisite: **None** **Grades 8-12**

90940S **LEADERSHIP DEVELOPMENT -** *Pending VDOE/CTE Approval* **1 Credit**

This course fosters the development of effective leadership skills in students. Concepts such as goal setting, communication, resource management, and team building are emphasized.

Prerequisite: **None** **Grades 11-12**

ARCHITECTURE & CONSTRUCTION CAREER CLUSTER

86010Y ***CARPENTRY I - (140 hours)** **1 Credit**

(140 hours) (*Possible 1 credit hour MGCC Dual Enrollment OSHA course – SAF 130.)

Carpentry I introduces students to skills essential to success in the building profession. Students use hand and power tools to cut stock; learn to read blueprints; build and install foundations, trusses, doors, windows, stairs, and finishes; and frame walls, floors, ceilings, roofs, decks and porches. All students will obtain a required OSHA 10 safety credential in the class.

Prerequisite: **Completed Math 8 or Pre-Algebra and Enrolled in Algebra** **Grades 9-12**

86020Y **CARPENTRY II - (280 hours)** **2 Credits**

Carpentry II completes the student's secondary training for the carpentry profession. Students study blueprints; build and install foundations, trusses, doors, windows, stairs and finishes; and frame walls, floors, decks, and porches. In addition, students are introduced to basic rigging; learn to estimate and select building materials, and install cabinets. This course meets for two class periods.

Prerequisite: **Carpentry I** **Grades 9-12**

86030Y **CARPENTRY III - (280 hours)** **2 Credits**

This course prepares students for success in the carpentry profession. Students use hand and power tools to cut stock; build and install foundations, trusses, doors, windows, stairs, and finishes; study blueprints; and frame walls, floors, ceilings, roofs, decks, and porches. In addition to basic rigging, they also learn to estimate and select materials to build and install cabinets.

Prerequisite: **Carpentry II** **Grades 10-12**

86040Y **CABINETMAKING I - (140 hours)** **1 Credit**

Students learn workshop and tool safety and employability skills as they practice reading blueprints; estimating and selecting materials; cutting and shaping stock; assembling, fastening, and installing components; and finishing surfaces. The technical, problem-solving, leadership, and creative skills learned in Cabinetmaking can be applied in industries well beyond construction trades and professions and can prepare the student for lifelong learning and success.

Prerequisite: **Carpentry I and Carpentry II** **Grades 11-12**

8605 **CABINETMAKING II – (280 hours)** **2 Credits**

Students continue to learn workshop and tool safety and enhance their employability skills as they interpret blueprints; estimate and select materials; cut and shape stock; assemble, fasten, and install components; install interior finishes; apply wood veneers and plastic laminates; finish surfaces; and transport and install cabinets. The technical problem solving, leadership and creative skills learned in Cabinetmaking can be applied in industries well beyond construction trades and professions and can prepare the student for lifelong learning and success.

Prerequisites: **Cabinetmaking I** **Grade 11-12**

85330Y ***ELECTRICITY I - (140 hours)** **1 Credit**

(*Possible 1 credit hour MGCC Dual Enrollment OSHA course – SAF 130.)

Students will develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory, navigate the National Electrical Code Book, select and install conductors, and work with panel boards, switchboards, and generators.

Prerequisite: **None** **Grades 9-12**

85340Y **ELECTRICITY II - (280 hours)** **2 Credits**

Students continue to develop skills in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. They also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communications and power systems, and work with conduit and raceways, panel boards, switchboards, grounding systems and generators. The instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Prerequisite: **Electricity I** **Grades 9-12**

BUSINESS MANAGEMENT & ADMINISTRATION CAREER CLUSTER

63200Y **ACCOUNTING** **1 Credit**

Accounting students study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Students learn fundamental accounting procedures, using both manual and electronic systems. (FBLA)

Prerequisite: **None** **Grades 9-12**

63210Y **ACCOUNTING ADVANCED** **1 Credit**

Advanced Accounting students gain knowledge of advanced accounting principles, procedures, and techniques used to solve business problems and make financial decisions. Students work in a technology-integrated environment, using accounting and spreadsheet software to analyze, synthesize, evaluate, and interpret business financial data related to inventory, fixed assets, notes/accounts payable and receivable, implementation of a partnership and a corporation, and other specialized accounting systems. Using authentic workplace scenarios that reflect current industry trends and standards, students analyze financial data and acquire knowledge of business ethics. (FBLA)

Prerequisite: **Accounting** **Grades 10-12**

61360S **BUSINESS MANAGEMENT** **1 Credit**

Students study basic management concepts and leadership styles as they explore business ownership, planning, operations, marketing, finance, economics, communications, the global marketplace, and human relations. Quality concepts, project management, problem solving, and ethical decision making are an integral part of the course. Student leadership skills may be enhanced by participation in school-based or virtual enterprises, job shadowing, internships, cooperative education, and/or the Future Business Leaders of America (FBLA).

Prerequisite: **None** **Grades 10-12**

66120Y **COMPUTER INFORMATION SYSTEMS** **1 Credit**

Develops understanding of digital literacy. Introduces basic computer concepts in hardware, software, cyber, cloud, database, and operating systems. Students apply hands-on experience using problem-solving skills to real-life situations through developing word processing, spreadsheet and presentation documents. Evaluates the reliability of sources. Includes creating a simple web page. Additional topics may examine social, legal, and ethical issues. Students work individually and in groups to explore computer concepts, operating systems, networks, telecommunications, and emerging technologies. (FBLA) Entrance Exam may be required.

Prerequisite: **Recommended demonstration of touch keyboarding skills.** **Grades 9-12**

66130Y **COMPUTER INFORMATION SYSTEMS ADVANCED** **1 Credit**

Students apply problem-solving skills to real-life situations through advanced integrated software applications, including printed, electronic, and Web publications. Students work individually and in groups to explore advanced computer maintenance activities, Web site development, programming, networking, emerging technology, and employability skills. (FBLA)

Prerequisite: **Computer Information Systems** **Grades 10-12**

19262 ***ECONOMICS AND PERSONAL FINANCE** **1 Credit**

(Required for 2011 9th graders and beyond.) (*Possible 3 credit hour MGCC Dual Enrollment course – FIN 107.)

The objectives shall include but not be limited to, personal living and finances; personal and business money management skills; opening an account in a financial institution and judging the quality of a financial institution's services; balancing a checkbook; completing a loan application; the implications of an inheritance; the basics of personal insurance policies; consumer rights and responsibilities; dealing with salesmen and merchants; debt management; managing retail and credit card debt; state and federal tax computation; local tax assessments; computation of interest rates by various mechanisms; understanding simple contracts and learning how to contest an incorrect bill. This course may be taught through Virtual Virginia or a hybrid course using both Virtual Virginia and traditional in classroom teacher instruction.

Prerequisite: **None** **Grades 10-12**

6730 **MEDICAL SYSTEMS ADMINISTRATION** **1 Credit**

Students wishing to gain employment in the health care field may take this course to learn how to use medical terminology and apply administrative procedures necessary to be productive employees in a heath care environment. Students will learn how to manage office activities, enhance communication skills, identify legal and ethical issues in health care practices, manage financial functions, and enhance employability skills. (FBLA)

Prerequisite: **Recommended demonstration of touch keyboarding skills.** **Grades 10-12**

61160S **PRINCIPLES OF BUSINESS MARKETING** **1 Credit**

Students discover the roles of business and marketing in the free enterprise system and the global economy. Basic financial concepts of banking, insurance, credit, inheritance, taxation, and investments are investigated to provide a strong background as students prepare to make sound decisions as consumers, wage earners, and citizens. The real-world impact of technology, effective communication, and interpersonal skills is evident throughout the course. This course also supports career development skills and explores career options. (FBLA)

Prerequisite: **None** **Grades 10-12**

LEADERSHIP DEVELOPMENT - *Pending VDOE/CTE Approval 3/2025*

Students develop competencies in identifying individual aptitudes in relation to effective leadership skills, understanding organizational behavior, using effective communication in the workplace, handling human resources and organizational problems, supervising and training employees, resolving conflict, and planning for the future. Continuing education in leadership is emphasized as well as practical leadership experiences in cooperation with school and community leaders. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Prerequisite: **None** **Grades 9-12**

ARTS, AUDIO/VIDEO TECHNOLOGY CAREER CLUSTER

66120Y **COMPUTER INFORMATION SYSTEMS – SEE PAGE 22**

66130Y **COMPUTER INFORMATION SYSTEMS ADVANCED – SEE PAGE 22**

66300Y **DESIGN, MULTIMEDIA AND WEB TECHNOLOGIES** **1 Credit**

Students develop proficiency in creating desktop publications, multimedia presentations/projects, and websites using industry standard application software. Students incorporate principles of layout and design in completing publications and projects. Students design portfolios that may include business cards, newsletters, mini-pages, Web pages, multimedia presentations/projects, calendars, and graphics. Completion of this course may prepare students for industry certifications. (FBLA)

Prerequisite: **Recommended demonstration of touch keyboarding skills.** **Grades 9-12**

61160S **PRINCIPLES OF BUSINESS MARKETING – SEE PAGE 23**

HEALTH SCIENCES CAREER CLUSTER

EMERGENCY MEDICAL TECHNICIAN I - *Pending VDOE/CTE Approval 3/2025* **1 Credit**

The tasks for this course represent the National Emergency Medical Services Educational Standards (NEMSES). Students explore and apply the fundamentals of emergency medical services (EMS), anatomy, physiology, and medical terminology while demonstrating skills in assessing and managing patient care, including assessing the scene and understanding shock, resuscitation, and trauma. Successful completion of this course and instructor endorsement qualifies students to enroll in EMT II to complete the program sequence. Students must complete a minimum of 85 percent of the didactic and lab aspects of the course, per 12VAC5-31-1501 in the Virginia Administrative Code. Successful completion of all course requirements and instructor endorsement may lead to eligibility to take the National Registry of Emergency Medical Technicians (NREMT) cognitive exam. Students must meet the requirements of the Functional Position Description for the Basic Life Support Provider (refer to EMS.TR.14B and 12VAC5-31-1501). Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

NOTE: Students must be at least 16 years old prior to the first day of EMT instruction or have been issued a variance by the Division of Regulation and Compliance at the Virginia Office of EMS and have reached age 16 by the end date of the course. Students may need to undergo a criminal

Prerequisite: *background check that includes fingerprinting and drug screening. It is important to note that final eligibility for national registry certification testing is determined by the course education coordinator and the EMS physician. This course has specific state laws and regulations from a governing medical board or agency.* **Grades 10-12**

***NUSRING AIDE I** – 1 CREDIT -** *This course is taught off-campus at Mountain Gateway Community College*

1 Credit

Nurse Aide I, offered as an occupational preparation course beginning at the 11th-grade level, is regulated under the Virginia Board of Nursing. It emphasizes the study of nursing occupations as related to the healthcare system. Students study growth and development across the lifespan, simple body structure and function, and medical terminology. They are introduced to concepts of infection prevention and disease processes. Students receive entry-level skill training in patient-nurse aide relationships; measuring and recording of vital signs; cardiopulmonary resuscitation; and general patient care. Work-based learning may be offered as part of this course. The Nurse Aide I course introduces students to careers in nursing, health professions, and STEM-H professions. Students must maintain American Heart Association's Cardiopulmonary Resuscitation (CPR) & Emergency Cardiovascular Care (ECC) training during this course. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Prerequisite: **Age requirements might be imposed and parent permission to complete the course is required. 2.0 GPA is required.**

Grade 11-12

NUSRING AIDE II – 1 Credit** - *This course is taught off-campus at Mountain Gateway Community College*

1 Credit

Nurse Aide II is an occupational preparation course emphasizing body systems and diseases as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. Students receive skills training and hands-on clinical experiences in a healthcare setting. Work-based learning in a healthcare facility is part of the course. Students must maintain American Heart Association's Cardiopulmonary Resuscitation (CPR) & Emergency Cardiovascular Care (ECC) training during this course. This course requires students to meet the Virginia Board of Nursing required clock hours to be eligible to take the National Nurse Aide Assessment Program (NNAAP) exam. Additionally, this course includes the approved opiate competencies for health and medical sciences education. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Prerequisite: **Nursing Aide I, Age requirements might be imposed and parent permission to complete the course is required. 2.0 GPA is required.**

Grade 11-12

*****Notes for Nursing Aide I and Nursing Aide II Courses:*** *Board-approved programs must maintain regulatory compliance for all enrolled students. For students to be considered graduates of any approved program, the program must be completed in entirety to include both classroom and clinical portions of the program. Further, pursuant to regulation (18VAC90-26-50 (C)(3)), clinical must include a minimum of 40 hours of direct client care and only five of those hours are permitted to be in a setting other than geriatric long-term care. Simulation/lab does not count as direct client care clinical experiences. Some healthcare facilities that accept federal funding (e.g., Medicare, Medicaid) may require criminal background checks and drug screens for students participating in a clinical experience. An updated immunization record will be required prior to the student participating in the clinical experience.*

HOSPITAILITY & TOURISM CAREER CLUSTER

82750Y ***CULINARY ARTS I - (280 hours)** **2 Credits**

(*Possible 3 credit hour MGCC Dual Enrollment course – HRI 158.)

This course, developed by the National Restaurant Association is for students interested in hospitality and restaurant field. Foundations of Restaurant Management and Culinary Arts is the curriculum which combines management skills with guest speakers and field trips in the industry for hands on approach to this field of study. Students practice managerial, production, and service skills used in government, commercial, or independently owned institutional food establishments and related food industry occupations. Students plan, select, store, purchase, prepare, and serve food and food products; study basic nutrition, sanitation, and food safety; the use and care of commercial equipment; and the operation of institutional food establishments. Industry career exploration, as well as critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Students will develop skills in stocks, soups, sauces, potatoes, pasta, and grains. Students may obtain their ServSafe Certification and have opportunities to cater events for the school and community. If they chose, a mentorship will be set up and/or as paid work experience with a local chef or restaurant. If working, hours can be applied to the ProStart National Certification. At the conclusion of this program, students will be able to enter the workforce above an entry-level position. Students will be involved in FCCLA activities and competitions locally and at the state level. Teachers highlight the basic skills of mathematics, science and communication when appropriate in content.

Prerequisite: **None** **Grades 9-12**

82760Y **CULINARY ARTS II - (280 hours)** **2 Credits**

This course, developed by the National Restaurant Association is for students continuing their interest in the hospitality and restaurant fields. Foundations of Restaurant Management and Culinary Arts, level two continues to provide a hands on approach to leadership in the field. Culinary Arts II provides students an opportunity to refine skills in serving, dining room management, and other skills learned in Culinary Arts I. Students prepare for occupations such as chef/cook, baker/pastry helper, pastry decorator, hospitality worker, dietetic aide/assistant, food demonstrator, and entrepreneur. Critical thinking, practical problem solving, and entrepreneurship opportunities within the field of culinary arts are emphasized. Students will continue work in the ProStart curriculum and work towards passing the second level of examinations. Students will refine their culinary skills in the areas of cuisines of the world, the Americas and in pastries, pies, meat, poultry, seafood, desserts, chocolate and breakfast foods. Salads, vinegars, and salsa, and garnishes will be included as well as cost control, purchasing and inventory. Students which have passed the two levels of the ProStart exam and completed the 400 hours of paid internship hours will obtain the ProStart national certification credential. Basic skills of mathematics, science and communication when appropriate in content are highlighted. Scholarships for post-secondary experiences are available upon receiving the credential. Students will be involved in FCCLA activities and competitions locally and at the state level.

Prerequisite: Culinary Arts I

8258 **INTRODUCTION TO CULINARY ARTS - 1 Credit** **1 Credit**

The Introduction to Culinary Arts curriculum provides students with opportunities to explore career options and entrepreneurial opportunities with the food service industry. Students investigate food safety and sanitation, explore culinary preparation foundations, practice basic culinary skills, explore diverse cuisines and service styles, investigate nutrition and menu development, and examine the economics of food. The curriculum places a strong emphasis on science and mathematics knowledge. Students will be involved in FCCLA activities and competitions locally and at state level.

Prerequisite: **None** **Grades 8-12**

8259 **INTRODUCTION TO HOSPITALITY, TOURISM, AND RECREATION** **1 Credit**

Students enrolled in Introduction to Hospitality, Tourism, and Recreation focus on developing professional skills and using emerging technologies to prepare for employment in this global industry, rich in diverse career opportunities. The program includes instruction in the industries of lodging, food and beverage, travel and tourism, and recreation and fitness.

Prerequisite: **None** **Grades 8-12**

CULINARY ARTS YOUTH REGISTERED APPRENTICESHIP

Students enrolled in Culinary Arts I and II have the opportunity to register for a paid apprenticeship with the Omni Homestead. The program is a partnership between the Omni Homestead, the Development of Labor and Industry and VDOE developed in the fall of 2018. Students earn an apprenticeship certificate after working the paid position for 6000 hours moving through the different culinary departments. When complete, they will be classified as a Cook I. Students will need to be in the process of becoming a Culinary Arts Completer (2-year program) to qualify for the program. Graduates who have completed the Culinary Arts Program may also apply for an apprenticeship.

Prerequisite: **Enrolled in Culinary Arts I or II** **Grades 9-12**

HUMAN SERVICES CAREER CLUSTER

8224 **FAMILY RELATIONS** **1 Credit**

Students enrolled in Family Relations focus on analyzing the significance of the family; nurturing human development in the family throughout the life span; analyzing identifying factors that build and maintain healthy family relationships; developing communication patterns that enhance family relationships; dealing effectively with family stressors and conflicts; managing work and family roles and responsibilities; analyzing social forces and conditions that influence families across the life span; and cultivating the safety and well-being of the family. Critical thinking, practical problem solving, and entrepreneurship opportunities within the area of family responsibilities and services are emphasized. Instructors highlight the basic skills of mathematics, science, and communication when appropriate.

Prerequisite: **None** **Grades 10-12**

8214 **INDEPENDENT LIVING** **1 Credit**

Students in Independent Living build life skills focusing on establishing positive relationships, balancing work and family life, investigating careers, making responsible consumer choices, applying nutrition and wellness knowledge, and studying child development and parenting.

Prerequisite: **None** **Grades 10-12**

8209 **INDIVIDUAL DEVELOPMENT**

Individual Development students focus on cultivating positive self-esteem; developing skills to build healthy relationships with family, peers, and community members; managing stress and conflict; and preparing to become college- and career-ready.

Prerequisite: **None** **Grades 10-12**

8228 **NUTRITION AND WELLNESS** **1 Credit**

Students enrolled in Nutrition and Wellness focus on understanding wellness, investigating principles of nutrition, using science and technology in food management, ensuring food safety, planning menus and preparing food, and exploring careers in the field of nutrition and wellness. Critical thinking and practical problem solving are emphasized.

Prerequisite: **None** **Grades 8-12**

INFORMATION TECHNOLOGY CAREER CLUSTER

66120Y **COMPUTER INFORMATION SYSTEMS – SEE PAGE 22**

6613 **COMPUTER INFORMATION SYSTEMS ADVANCED – SEE PAGE 22**

6302 **CYBERSECURITY FUNDAMENTALS** **1 Credit**

Cybersecurity affects every individual, organization, and nation. This course focuses on the evolving and all-pervasive technological environment with an emphasis on securing personal, organizational, and national information. Students will be introduced to the principles of cybersecurity, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage, and high-demand career opportunities in the field of cybersecurity.

Prerequisite: **None** **Grades 9-12**

6304 **CYBERSECURITY SOFTWARE OPERATIONS** **1 Credit**

Cybersecurity Software Operations is designed to teach many aspects of computer support and network administration. Students learn networking concepts, from usage to components, and create peer-to-peer network systems and client server networks. Students learn how to install and configure network cards and connect them to networks; to install the operating systems; to create, set up, and manage accounts; to load software; and to establish, implement, and maintain network integrity security plans. This course may cover software-based network operating systems, such as Windows Server or Linux, to prepare students with a foundation in computer network administration.

Prerequisite: **Cybersecurity Fundamentals and Recommended demonstration of touch keyboarding skills.** **Grades 10-12**

66300Y **DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES – SEE PAGE 24**

6611 **DIGITAL APPLICATIONS** **1 Credit**

Digital Applications is designed for secondary school students to develop real-life, outcome-driven approach skills for digital citizenship, basic computer operations, keyboarding, application software (word processing, spreadsheets, multimedia applications, databases), and career exploration. This course promotes skills that can be applied across the curriculum and offers preparation relevant to 21st century skills and postsecondary education. Students who successfully complete this course may be eligible for a rigorous and relevant industry certification examination. Student skills may be enhanced by participation in work-based learning activities and/or the Future Business Leaders of America (FBLA).

Prerequisite: **None** **Grades 8-12**

66700Y **INFORMATION TECHNOLOGY FUNDAMENTALS** **1 Credit**

Information Technology (IT) Fundamentals introduces the essential technical and professional skills required for students to pursue programs leading to professional careers and IT certifications. Students investigate career opportunities and technologies in four major IT areas: Information Services and Support, Network Systems, Programming and Software Development, and Interactive Media. Students will evaluate the impact of IT on other career clusters. The focus of the IT Fundamentals course is the introduction of skills related to information technology basics, Internet fundamentals, network systems, computer maintenance/upgrading/troubleshooting, computer applications, programming, graphics, Web page design and interactive media. Students explore ethical issues related to computers and Internet technology and develop teamwork and communications skills that will enhance their employability.

Prerequisite: **Recommended demonstration of touch keyboarding skills.** **Grades 8-10**

6730 **MEDICAL SYSTEMS ADMINISTRATION – SEE PAGE 24** **1 Credit**

6640 **PROGRAMMING** **1 Credit**

Students explore computer concepts, apply logic procedures and implement programming procedures with one or more languages, such as Visual Basic.Net, Java, C+, C++. Graphical User Interfaces, such as Alice, Game Maker, and Flash, may be used as students' design and develop interactive multimedia applications. In addition, HTML or JavaScript may be employed to create Web pages. The cooperative education method is available for this course. Students combing classroom instruction and supervised on-the-job training in an approved position with continuing supervision throughout the school year.

Prerequisite: **Recommended demonstration of touch keyboarding skills.** **Grades 9-10**

66410Y **PROGRAMMING ADVANCED** **1 Credit**

Students will build on their foundation of programming skills. Advanced Programming students use object-oriented programming to develop database applications, interactive multimedia applications including game applications, mobile applications, and Web applications. Students continue to develop their employability skills as they research pathways for continuing education and careers in the information technology industry and engage in various career-building activities.

Prerequisite: **Programming** **Grades 9-10**

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CAREER CLUSTER

63200Y **ACCOUNTING – SEE PAGE 22** **1 Credit**

63210Y **ACCOUNTING ADVANCED – SEE PAGE 22** **1 Credit**

66120Y **COMPUTER INFORMATION SYSTEMS – SEE PAGE 22** **1 Credit**

6613 **COMPUTER INFORMATION SYSTEMS ADVANCED – SEE PAGE 22** **1 Credit**

6302 **CYBERSECURITY FUNDAMENTALS – SEE PAGE 28** **1 Credit**

6304 **CYBERSECURITY OPERATIONS– SEE PAGE 28** **1 Credit**

66300Y	**DESIGN, MULTIMEDIA, AND WEB TECHNOLOGIES – SEE PAGE 24**	**1 Credit**
8448	**ENERGY AND POWER** In this course, students analyze energy sources and explore the generation, transmission, and distribution of electricity. The course provides math, science, and technical writing skills through hands-on application.	**1 Credit**
Prerequisite:	**None**	**Grades 10-12**
8436	**ENGINEERING DRAWING AND DESIGN** Students use a graphic language for product design, technical illustration, evaluation of designs, and engineering drawings. They increase their understanding of drawing techniques learned in the prerequisite course. Students use computers, calculators, and descriptive geometry and adhere to established standards to solve design problems. They work in teams to design solutions for an identified need.	**1 Credit**
Prerequisite:	**Technical Drawing and Design**	**Grades 10-12**
6640	**PROGRAMMING – SEE PAGE 29**	**1 Credit**
66410Y	**PROGRAMMING ADVANCED – SEE PAGE 29**	**1 Credit**
84080Y	**RENEWABLE ENERGY** This course will provide fundamentals and in-depth application of various renewable energies. Students will explore select renewable energy technologies, will gain hands-on experience in their design and function, and will practice installation skills.	**1 Credit**
Prerequisite:	**None**	**Grades 10-12**
8435	**TECHNICAL DRAWING AND DESIGN** In this foundation course, students learn the basic language of technical design, while they design, sketch and make technical drawings, illustrations, models, or prototypes of real design problems. Students develop spatial ability as they apply mathematical concepts to visual representations. The course is especially recommended for future engineering and architecture students.	**1 Credit**
Prerequisite:	**Algebra I**	**Grades 9-12**

TRANSPORTATION, DISTRIBUTION & LOGISTICS CAREER CLUSTER

85060Y	**AUTOMOTIVE TECHNOLOGY I - (280 hours)** Due to recent technological advancements in automobiles, it is crucial that technicians are prepared with state-of-the-art technology and training. This course represents a large sampling of the competencies from National Automotive Technician's Education Foundation's CNATEF's) Maintenance and Light Repair accredited program. Students are provided instruction in all systems as they prepare for the ASE (Automotive Service Excellence)	**2 Credits**
Prerequisite:	**None**	**Grade 8-12**

85070Y **AUTOMOTIVE TECHNOLOGY II - (280 hours)** **2 Credits**

This course represents the advanced competencies from National Automotive Technician's Education Foundation's (CNATEF's) Maintenance and Light Repair accredited program without redundancy from the prerequisite course. Students are provided instruction in all systems as they prepare for the ASE (Automotive Service Excellence) Successful completion of this course will result in program completion and prepare students to pass the equivalent NATEF student exam and ultimately attain certification.

Prerequisite: **Automotive Technology I** **Grade 9-12**

85080S **AUTOMOTIVE TECHNOLOGY III -** *Pending VDOE/CTE Approval 3/2025* **2 Credits**

This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmission and transaxle, manual drive trains and axles, suspension and steering, wheel and tire, brakes, electrical/electronic systems, HVAC, and engine performance. Students are provided with more advanced instruction in all systems as they prepare for the Automotive Service Excellence (ASE) certification examinations. The Automotive Technology program provides the fundamental skills necessary to succeed in an ever-changing and challenging industry as an automotive technician. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Prerequisite: **Auto I, Auto II, and Teacher Permission** **Grades 11-12**

8725 **SMALL ENGINE TECHNOLOGY I** **1 Credit**

Students learn to safely maintain and repair small internal-combustion engines used in industries such as lawn and garden, marine, and high-performance power sports (e.g., motorcycles, ATVs). Students diagnose and service manual starting systems, ignition systems, cooing systems and exhaust systems.

Prerequisite: **None** **Grade 8-12**

8726 **SMALL ENGINE TECHNOLOGY II – (280 hours)** **2 Credits**

Students continue to learn to safely maintain and repair small internal-combustion engines used in industries such as lawn and garden marine, and high-performance power sports (e.g., motorcycles, ATVs). Students analyze causes of engine failure and perform shop operations.

Prerequisite: **Small Engine Technology I** **Grade 9-12**

WORK-BASED LEARNING PROGRAM

The work-based learning program is designed to provide a unique learning experience for eligible junior and senior students. Qualified students will have the opportunity to spend time in a working environment and learn valuable on-the-job skills from qualified mentors. Goals and expectations for the program will be determined by the student and the work-based learning coordinator/ supervisor. This is a demanding commitment that will require a concentrated research or project development in a specialized field under the leadership and direction of highly trained and experienced experts. An application process is required. As part of the work-based learning program, athletes will be enrolled in the Career & Development Planning (Online Course) for eligibility purposes. Work-based learning can include any of the following programs below:

INTERNSHIP **Pass/Fail 280 Hours 1 Credit**

This can be a paid experience. An internship experience will include a project/portfolio highlighting learning experiences and presenting to 8th-grade students about the career experience.

MENTORSHIP **Pass/Fail 140 Hours 0.5 Credits**

This is an unpaid work experience that will not exceed 140 hours. A mentorship experience will include a project/portfolio highlighting learning experiences and presenting to 8th-grade students about the career experience.

EXTERNSHIP **0 Credits 40 hours 0 Credits**

This is an unpaid work experience that will not exceed 40 hours. A externship experience will be associated with a course a student is taking as a junior or senior and will include a project/portfolio highlighting learning experiences and presenting to 8th-grade students about the career experience.

Prerequisites: **Application, Teacher Recommendation, Principal Approval** **Grades: 11-12**

CAREER PLANING AND DEVELOPMENT **1 Credit**

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This two-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio. *This course can associated with Internship & Mentorship.*

Prerequisites: **Teacher Recommendation** **Grades: 11-12**

POLICES AND PROCEDURES

Program Planning/Scheduling

In selecting subjects, the students should recognize the fact that employment and post-secondary opportunities are highly competitive. The quality of the subjects studied and the quality of academic performance are crucial factors in decisions made by both employers and college administrations. Therefore, it is to the student's advantage to select subjects which present a challenge and which serve as a recommendation for them.

During the second semester each student will meet with their school counselor for an individual conference to address both their academic and career plan and also select their courses for the upcoming year. Counselors explore carefully with each student their courses and SOL tests (verified credits) which are needed for graduation. They discuss their career path, plans for postsecondary education and future requirements for employment and courses which are required for NCAA athletic eligibility. Counselors also discuss students' academic progress, their interests and aptitudes. Certain placement in classes will be weighed not only on student interest but also teacher recommendation and diagnostic placement test results.

Students should give very serious consideration during the registration process as to the classes they will be selecting. We encourage students to make choices of elective courses thoughtfully as these career paths can help assist a student in their future career endeavors. If a student needs to make a change in his/her schedule, it must be done within the first five days of school. After that time courses will not be dropped or changed without a parent-teacher conference. Seniors who are not meeting graduation requirements are still required to be in school for a minimum of five periods a day.

Grading Scale/Grade Point Average/Class Rank

The following system of grading is in effect at Bath County High School:

A: 100- 90 - Superior

B: 89-80 - Above Average

C: 79-70 Average

D: 69-60 - Passing

F: 59 & Below - Failing

I: Incomplete

When determining the grade point average (GPA) of a student, an additional seven (7) points on each course grade is added to the following courses: **Dual-Enrollment and Governor's School courses which are transferable to a four-year college; AP courses, if the student takes the AP exam and Honors English 9, 10, and 11. GPA is only calculated once the course credit is awarded, except in the student's senior year. GPA is recalculated at the semester point for seniors.**

Class rank is determined based on the student's weighted numerical average.

Subject Load

Bath County High School is on a 4x4 block schedule and 4x4 Block Hybrid Schedule for Band Students. Students are expected to be enrolled in the equivalent of 4 subjects perterm/8 per year or 3 subjects perterm and 2 year long courses for Band Students. Variations in the total number of courses may occur due to year- long courses or enrollment in special programs such as Mertz Career and Technical Center and the Jackson River Governor's School. **Other deviations from enrollment in a full course load must be approved by the principal.**

Grade Level Classification

Students must successfully complete 15 units of credit in order to be classified as seniors; 10 units for juniors, 5 units for sophomores. Ninth graders must have successfully completed 4 courses during the eighth grade, including English 8 and a math.

High School Credit Earned in the 8th Grade

When an eighth grade student successfully completes subjects identified as high school subjects, credit shall be counted for meeting the total number of units required for graduation. For example, Algebra, a foreign language, World Geography and some career/technical courses taken in the eighth grade will count toward fulfilling the credits needed for graduation. The grades earned in these courses will become part of the grade point average. Parents may notify the high school if they choose for those courses taken in the eighth grade not to count. Notification must occur in writing within fifteen days following the completion of the course.

Number of Students Registered to Run a Course

BCHS is lucky to have small student-to-teacher ratios in many courses. However, some courses cannot be run without the minimum registration requirement of 5 students. Core courses for graduation will always be provided in a way that students have access to important graduation credits.

Special Education

Programs are provided for students in need of special services. More information regarding these programs may be obtained from a school counselor or a specialist currently working with the student. Scheduling is done on an individual basis according to the needs of each student. Through the cooperation of the special education teacher and the regular classroom teacher, these students will be helped to achieve the goals of their regular class. The instructional program in all special education classes is based on each student's individualized education program (IEP). Various diploma options for special education students are available and will be determined by the IEP team, which includes the student and their parents/guardians.

Alternative Education

An alternative education program (ISAEP) is available upon request and is considered on an individual basis by an administrative team.

Summer School

A listing of course offerings and additional information will be made available in late May in the principal's office and the school counseling office. Summer school is offered on an as needed basis and based on any budgetary constraints.

Community Service

All students must complete the equivalent of 10 hours of community service for each year they attend BCHS. For most students this equals 50 hours. Total required hours will be adjusted for transfer students.

Full Day Schedule

All students shall be expected to carry the normal load of classroom work required to meet the minimum standards necessary for graduation and the attendance requirements of the state. A full day schedule is defined as a minimum of five credit bearing courses per semester (seven courses in total). Criteria for exemption from full-day attendance at the high school level are as follows:

a. A senior and qualify for a hardship, health problem(s), or an Individualized Education Plan (IEP).

b. Currently enrolled or have completed the necessary courses to meet graduation requirements.

c. Employed and/or enrolled in a program approved by the principal.

All exceptions to a full-day schedule must be approved on an individual basis by the high school principal.

Early College Scholars

Early College Scholars is a program that encourages juniors and seniors who are prepared and interested in accelerating their coursework toward a college degree while still in high school. A student who wishes to be part of this program must sign an agreement along with his/her parent, counselor, and principal, and agree to:

- Have a "B" average or better;
- Be pursuing an Advanced Studies Diploma;
- Be completing /have completed college level course work (i.e. Advanced Placement or Dual Enrollment) that will earn at least 15 transferable college credits.

Virtual Virginia

Virtual Virginia is a state online course provider that offers required or supplemental courses as available. These courses may be available if they are not otherwise provided in the base school or are not accessible due to scheduling conflicts. See your counselor for details regarding these opportunities. Principals must approve any student who takes a class through Virtual Virginia. Please note that if a student drops the Virtual Virginia course after the drop deadline the student and associated family is responsible for the tuition of the course with is $275, each semester. The available courses can be located on the Virtual Virginia website at www.virtualvirginia.org.

Educere

Educere is a Virginia Department of Education approved online course provider that offers required or supplemental courses as available. These courses may be available if they are not otherwise provided in the base school or are not accessible due to scheduling conflicts. See your counselor for details regarding these opportunities. Principals must approve any student who takes a class through Educere. Students dropping the course after the drop deadline will be charged the full $200 course fee.

Diploma Seals

Governor's Seal for Advanced Studies Diploma

To receive the governor's Seal on an advanced studies diploma, students must complete the following:

All requirements for an Advanced Studies Diploma with an average grade of "B" (3.0 unweighted GPA) or better and

Successfully complete college-level coursework that will earn the student at least 9 transferrable college credits in Advanced Placement (AP) or dual enrollment courses.

Virginia Board of Education Seal

Students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of "A" shall receive a Board of Education Seal on the diploma.

Career and Technical Education – Virginia Board of Education's Seal

The Board of Education's Seal for Career and Technical Education shall be awarded to students who meet the following:

Requirements for a Standard or Advanced Studies Diploma and
Complete a prescribed sequence of courses in a career and technical education concentration or specialization that they choose and maintain a "B" or better average in those courses; or
Pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or occupational competency credential from a recognized industry trade, or professional association; or
Acquire a professional license in that career and technical education field from the Commonwealth of Virginia.

The Board of Education shall approve all professional licenses and examination used to satisfy these requirements.

Advanced Mathematics and Technology – Virginia Board of Education's Seal (Entering 9th grade prior to 2018-2019.)

The Board of Education's Seal of Advanced Mathematics and Technology is awarded top students who meet the following:

Requirements for either a Standard or Advanced Studies Diploma;
Mathematics requirements for the Advanced Studies Diploma (four Units of credit including Algebra II; two verified units of credit) with a "B" average or better; and
Pass an examination in a career and technical education field that confers certification from a recognized industry or trade or professional association, acquire professional license in a career and technical education field from the Commonwealth of Virginia, or pass an examination approved by the Board that confers college-level credits in a technology or computer science area.

Science, Technology, Engineering, and Mathematics (STEM) – Virginia Board of Education's Seal (Available to graduating seniors in the Class of 2019 and beyond).

Students shall be awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and satisfy all Math and Science requirements for the Advanced Studies diploma with a "B" average or better in all course work, and

successfully complete a 50 hour or more work-based learning opportunity in a STEM area, and

satisfy all requirements for a Career and Technical Education concentration. A concentration is a coherent sequence of two or more state-approved courses as identified in the course listing within the CTE Administrative Planning Guide, and
pass one of the following:
a Board of Education CTE STEM-H credential examination, or
an examination approved by the Board that confers a college-level credit in a STEM field.

Excellence in Civics Education – Virginia Board of Education's Seal

The Board of Education's Excellence in Civics Seal Education is awarded to students who meet the following four criteria:

- Satisfy the requirement to earn a Modified Standard Diploma, a Standard Diploma or an Advanced Studies Diploma
- Complete Virginia & United States History and Virginia & United States Government courses with a grade of "B" or higher
- Complete 50 hours of voluntary participation in community service or extracurricular activities, such as volunteering for a charitable or religious organization that provides services to the poor, sick or less fortunate; participating in Boy Scouts, Girl Scouts or similar youth organizations; participating in Junior Reserve Officer Training Corps (JROTC); participating in political campaigns, government internships, Boys State, Girls State or Model General Assembly; and participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in the United States military prior to graduation will be deemed to have met this community service requirement.
- Have good attendance and no disciplinary infractions as determined by local school board policies.

Board of Education's Seal of Biliteracy

The Board of Education's Seal of Biliteracy is awarded to students who earn a Board of Education-approved diploma and:

- Pass all required End-of-Course Assessments in English reading and writing at the proficient or higher level
- Demonstrate proficiency at the intermediate-mid level or higher in one or more languages other than English as demonstrated through an assessment from a list approved by the Superintendent of Public Instruction. American Sign Language qualifies as a language other than English.

Board of Education's Seal for Excellence in Science and the Environment (Entering 9th grade in 18-19).

The Board of Education's Seal for Excellence in Science and the Environment is awarded to students who enter the ninth grade for the first time in the 2018-2019 year and thereafter, and meet each of the following criteria:

- Earn either a Standard or Advanced Studies Diploma
- Complete at least three different first-level board-approved laboratory science courses and at least one rigorous advanced-level or postsecondary-level laboratory science course, each with a grade of "B" or higher
- Complete laboratory or field-science research and present that research in a formal, juried setting
- Complete at least 50 hours of voluntary participation in community service or extracurricular activities that involve the application of science such as environmental monitoring, protection, management, or restoration.

New Revised Standards of Accreditation - Impact on Students

(Beginning with Class of 2022)

Requirements for Graduation

The revised regulations reduce the number of SOL tests students must pass to earn a high school diploma — while maintaining high expectations for learning in English, math, science and history/social science — and implement the "Profile of a Virginia Graduate," a set of skills and attributes identified by employers and higher education as critical for success in the workplace and in college.
These expectations are often referred to as the "5 C's": creativity, critical thinking, communication, collaboration and citizenship.

The new graduation requirements place increased emphasis on the practical application of learned skills and content knowledge by expanding the use of performance-based assessments for the awarding of verified credits.

In addition, the career-planning component of the new graduation requirements provides the opportunity for students to learn about employment options aligned with their interests in their own communities and elsewhere.

While there is no specific activity that a student must experience (such as an internship, job-shadowing assignment or participation in a career fair) to graduate, school divisions are required to collaborate with local employers to create opportunities for students to learn about the workplace expectations, regardless of their plans after high school.

School divisions also must ensure that students understand and demonstrate civic responsibility and community engagement.
Key points for students and parents to remember about how Virginia's diploma standards are changing include the following:

§ The new graduation requirements are effective with students entering the ninth grade in the fall of 2018 (class of 2022).

§ Under the new requirements, the number of required standard credits for a Standard Diploma remains the same (22) but the number of required verified credits is reduced from six to five (one each in English reading, English writing, mathematics, science and history/social science).
§ Under the new requirements, the number standard credits required for an Advanced Studies Diploma remains the same (26) but the number of required verified credits is reduced from nine to five (one each in English reading, English writing, mathematics, science and history/social science).
§ School divisions, on a local-option basis, may offer an authentic performance-based assessment as an alternative to the English writing SOL test for the awarding of verified credit.
§ In history/social science, students may earn the required verified credit by passing an authentic performance-based assessment rather than an SOL test.

Advanced Studies Diploma Beginning with the Class of 2022

Subject	Standard Units of Credit Required	Verified Credits Required
English	4	2
Mathematics	4	1
Science	4	1
History/Social Science	4	1
World Language	3	
Health & Physical Education	2	
Fine Arts or Career & Technical Education	1	
Economics & Personal Finance	1	
Electives	3	
TOTAL	**26**	**5**

Standard Diploma Beginning with the Class of 2022

Subject	Standard Units of Credit Required	Verified Credits Required
English	4	2
Mathematics	3	1
Science	3	1
History/Social Science	3	1
Health & Physical Education	2	
World Language, Fine Arts or Career & Technical Education	2	
Economics & Personal Finance	1	
Electives	4	
TOTAL	**22**	**5**

Standard Diploma with Credit Accommodations (Class of 2018 -2022)

Credit accommodations provide alternatives for students with disabilities in earning the standard and verified credits required to graduate with a Standard Diploma. Credit accommodations for students with disabilities may include:

- Alternative courses to meet the standard credit requirements
- Modifications to the requirements for locally awarded verified credits
- Additional tests approved by the Board of Education for earning verified credits
- Adjusted cut scores on tests for earning verified credits
- Allowance of work-based learning experiences through career and technical education (CTE) courses.

While credit accommodations provide alternate pathways and flexibility, students receiving accommodations must earn the 22 standard credits and six verified credits required to graduate with a Standard Diploma.

Eligibility Criteria: Credit accommodations for the Standard Diploma shall be determined by the student's Individualized Education Program (IEP) team or 504 plan committee, including the student where appropriate, at any point after the student's eighth grade year. The school must secure the informed written consent of the parent/guardian and the student, as appropriate, to choose credit accommodations after review of the student's academic history and full disclosure of the student's options.

The student must meet the following criteria to be eligible to receive credit accommodations for the Standard Diploma:

a. Student must have a current IEP or 504 plan with standards-based content goals.
b. Student has a disability that precludes him or her from achieving and progressing commensurate with grade level expectations, but is learning on grade level content.
c. Student needs significant instructional supports to access grade level Standards of Learning (SOL) content to show progress.
d. Based on multiple objective measures of performance, student might not be expected to achieve the required standard and verified units of credit with the standard time frame.

For more information, please see the student's school counselor or case manager.

Certificate of Program Completion

In accordance with the requirements of the Standards of Quality, students who complete coursework defined by the local school board but have not earned the required verified credits for diplomas are awarded Certificates of Program Completion.

GRADUATION REQUIREMENTS

Fine Arts/Career and Technical Education Requirement

The Commonwealth of Virginia requires that each student pass at least one credit in the field of Fine Arts (Art, Band) or Career and Technical Education in order to meet the requirements for graduation.

Sequential Electives Requirement

Students who will graduate with an advanced or standard diploma are required to take at least two sequential electives that may include a concentration of courses selected from a variety of options. The options include an approved sequential combination of eighteen or thirty-six-week elective course in the same department that total two years of study.

Personal Finance Requirement

The Code of Virginia requires that all middle and high school students master objectives developed by the State Department of Education for economics and financial literacy. Bath County High School students must meet this requirement by successfully completing a course in Economics and Personal Finance described in the History section of this guide. Students who plan on attending the Jackson River Governor's School should try and take this course prior to their junior year.

Online Course Requirement

The Code of Virginia requires that all students take at least one online course in order to earn a standard or advanced studies diploma. VDOE has determined that this requirement may be met via a hybrid online/face-to-face course also does not require that the course have a course credit associated.

CTE Credential Requirement

The 2012 General Assembly passed, and the Governor signed into law, HB 1061 and SB 489, to strengthen postsecondary education and workplace readiness opportunities for all students. The legislation says, in part:

"Beginning with first-time ninth grade students in the 2013-2014 school year, requirements for the standard diploma shall include a requirement to earn a career and technical education credential that has been approved by the Board, that could include, but not be limited to, the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness skills assessment."

At BCHS the certifications available to students are:

- Workplace Readiness Skills for the Commonwealth (All Pathways)
- Pro-Start Program Certification Examinations (Level 1 and 2) (Culinary Pathway)
- National Occupational Competency Institute (NOCTI) (Business Pathway)
- Microsoft Office Specialist (MOS) (Business Pathway)
- WISE (Financial Literacy)
- Microsoft Exam 98-361, Software Development Fundamentals (Technology Pathway)
- Autodesk Certified User (Technology Pathway)
- SkillsUSA (Carpentry and Electricity Pathways)
- ASE Student Certification Assessment (Automotive Pathway)
- Certified Internet Web (CIW) Network Technology Associate Examination

Requirement for Training in First Aid, CPR, and AED

Beginning with the Class of 2020, the Code of Virginia requires that all students receive training in emergency First Aid, CPR, and the use of AEDs.

Virginia High School League Rules for Athletics and Academic Bowl Eligibility

28-4-1 Scholarship Rule: The student shall be currently enrolled in not fewer than five subjects, or their equivalent, offered for credit and which may be used for graduation, and have passed five subjects, or their equivalent, offered for credit which may be used for graduation the immediately preceding semester for schools that certify credit on a semester basis. You may not count a repeat class as part of the five if you have previously received credit for the class.

28-4-2 Age Rule: The student shall not have reached the age of 19 on or before the first day of August of the school year in which he/she wishes to compete.

NCAA/NAIA Academic Eligibility and Approved Courses

If you are a high school athlete and you wish to participate in athletics as a freshman in college, you must apply to the NCAA Clearinghouse or the NAIA before graduation or preferably the end of your junior year. To qualify you must graduate from high school, complete a core list of subjects and attain a certain level on your ACT or SAT test. These rules are varied for the different levels. Please see either the Athletic Director or your School Counselor for more information on this process.

2024-2025 SEQUENCES FOR CAREER/TECHNICAL CERTIFICATES

ARTS, AUDIO/VIDEO TECHNOLOGY CAREER CLUSTER

*Completers need **two** 36-week courses or semester equivalents that equal two 36-week courses in designated area.* **(See Concentration Sequence for particular course.)**

Computer Information Systems (18/36 wks) – Grades 9-12
Computer Information Systems Advanced (18/36 wks) – Grades 10-12
Design, Multimedia and Web Technologies (18/36 wks) – Grades 9-12
Digital Applications (18/36 wks) Grades 8-12
Principles of Business Marketing (18/36 wks) – Grades 10-12

BUSINESS MANAGEMENT AND ADMINISTRATION

*Completers need **two** 36-week courses or semester equivalents that equal two 36-week courses in designated area.* **(See Concentration Sequence for particular course.)**
Accounting – Grades 9-12
Accounting Advanced – Grades 10-12
Business Management (18/36 wks) – Grades 10-12
Computer Information Systems (18/36 wks) – Grades 9-12
Computer Information Systems Advanced (18/36 wks) – 10-12
Digital Applications (18/36 wks) Grades 8-12
Medical Systems Administration (18/36 wks) – Grades 10-12
Principles of Business Marketing (18/36 wks) – Grades 10-12
Entrepreneurship (36wks) – Grades 11-12

HOSPITALITY AND TOURISM

*All completers of Hospitality and Tourism Education programs must successfully pass the minimum competencies of each program along with fulfilling specific course seat hours. Completers need **two** 36-week courses or semester equivalents that equal two 36-week courses in designated area.* **(See Concentration Sequence for particular course.)**

CULINARY ARTS

Introduction to Culinary – Grades 8-12
Culinary Arts I (2-blcok) – Grades 9-12
Culinary Arts II (2-blcok) – Grades 10-12
Culinary Arts Specialization – Grade 12

HUMAN SERVICES

*Completers need **two** 36-week courses or semester equivalents that equal two 36-week courses in designated area.* **(See Concentration Sequence for particular course.)**
Independent Living (18/36 wks) – Grades 9-12
Nutrition and Wellness (18/36 wks) – Grades 9-12

INFORMATION TECHNOLOGY

*Completers need **two** 36-week courses or semester equivalents that equal two 36-week courses in designated area.* **(See Concentration Sequence for particular course.)**

Computer Information Systems (18/36 wks) – Grades 9-12
Computer Information Systems Advanced (18/36 wks) – Grades10-12
Design, Multimedia and Web Technologies (18/36 wks) – Grades 9-12
Digital Applications (18/36 wks) – Grades 8-12
Information Technology Fundamentals – Grades 9-10
Medical Systems Administration (18/36 wks) – Grades 10- 12

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

*Completers need **two** 36-week courses or semester equivalents that equal two 36-week courses in designated area.* **(See Concentration Sequence for particular course.)**

Accounting – Grades 9-12
Accounting Advanced – Grades 10-12
Computer Information Systems (18/36 wks) – Grades 9- 12
Computer Information Systems Advanced (18/36 wks) – Grades 10- 12
Design, Multimedia and Web Technologies (18/36 wks) – Grades 9-12
Digital Applications (18/36 wks) Grades 8-12
Energy and Power (18/36 wks) – Grades 10-12
Engineering Drawing and Design – Grades 10-12
Information Technology Fundamentals – Grades 9-10
Renewable Energy – Grades 10-12

TRADE AND INDUSTRIAL

All completers of a Trade and Industrial Education program must successfully pass the minimum competencies of each program. These three programs are Automotive Technology, Carpentry and Electricity along with fulfilling specific course seat hours.

TRANSPORTATION, DISTRIBUTION & LOGISTICS

AUTO TECHNOLOGY

Automotive Technology I (2-block) – Grades 9-12
Automotive Technology II (2-block) – Grades 10-12
Small Engine Technology I – Grades 9-12
Small Engine Technology II (2-block) – Grades 9-12

ARCHITECTURE & CONSTRUCTION

CARPENTRY/CABINETMAKING

Carpentry I – Grades 9 -12
Carpentry II (2-block) – Grades 9-12
Cabinetmaking I – Grades 11-12
Cabinetmaking II (2-block) – Grade 12

ELECTRICITY

Electricity I – Grades 9-12
Electricity II (2-block) – Grades 9-12