

Southampton High School Courses

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Southampton High School Courses

Not all courses will be offered in a given year or in a given semester. Course offerings are dependent on student interest, sufficient enrollment, teacher availability, and scheduling opportunity.

English/Language Arts

The objective of study in English/Language Arts is to be proficient in reading and literature, oral and written language, writing, grammar, mechanics, research, and vocabulary. Students' instruction is differentiated and individualized; learners are afforded practice in both whole group and independent reading.

Students must earn four credits in English, which includes examinations of American and British literature, for both the General and Advanced Studies diploma. Students at SHS must take an English course each year of high school. Each student receives core instruction to ensure their success on required Standards of Learning Assessments in Reading and Writing which each student must take and pass in their eleventh year at SCPS.

Students are able to develop critical thinking skills through reading fiction and nonfiction that prepares each of them for dialogue and engagement with their peers. Students are able to articulate and write for a variety of purposes, audiences, and from differing point of views using a range of grammar and usage skills. Students will also participate in project based learning, which emphasizes their ability to analyze, synthesize, and evaluate information from a variety of sources. As a component of the experience, students may be required to produce formal research papers using appropriate citations and present their findings to their peers.

A strong foundation of English and the Humanities helps to prepare students for *ACT*, *PSAT*, *SAT*, and *SOL* tests. The curriculum focuses on word recognition, roots and affixes; use of context clues; distinctions between connotation and denotation; and a study of antonyms, homonyms, synonyms and homophones. Vocabulary instruction helps to cultivate students' reading skills and abilities across all content areas so that students are able to express themselves in all modalities, grade levels and content areas.

All English courses cover the content as required by the Virginia Department of Education and Southampton County Public Schools.

Advanced Placement courses are distinguished by a college-level, rigorous, and inquiry-based study of literature and nonfiction texts. AP courses move at an accelerated pace, feature an in-depth scope of textual study, and require more independent work.

Dual Enrollment courses are offered at the higher grade levels and may allow students to earn college credit.

At the conclusion of the English 11 AP course students will take the national Advanced Placement examination to determine college placement credit. Please contact your child's school counselor for further details.

English 9 **SCED Code: 01001** **Grade Level: 9th** **Credit: 1**

This course is designed to focus on the key components of the foundations of writing. Emphasis is placed on paragraph and composition structure; as well as styles of writing. Essential grammar and usage skills will be covered, including parts of speech, parts of a sentence, phrases and clauses, subject verb agreement, and punctuation. Additional attention will be given to vocabulary enrichment and reading comprehension skills. Students will be expected to express themselves clearly through both written and oral assignments.

Prerequisite: Language Arts 8

Location: SHS

English 10 **SCED Code: 01002** **Grade Level: 10th** **Credit: 1**

This course is designed to expose students to a variety of literature including short stories, poetry, novels, nonfiction, Shakespearian drama, folklore and mythology. Students will learn to analyze readings using literary elements and personal reflection. Tenth grade English students will grow in the skills of word usage and sentence development to improve their writing skills.

Students are expected to achieve mastery and success on the Virginia Standards of Learning as specified for English 10. The tenth-grade English student will become a skilled communicator in small-group learning activities. They will be able to examine, analyze, and produce media messages. They will continue to develop and enhance their mastery of vocabulary, with attention to connotations, idioms, allusions, and evolution of language. The student will read and analyze literary texts from a variety of eras and cultures. Attention will be given to the analysis of nonfiction texts.

The student will critique the writing of peers and professionals, using analysis to improve skills. The student will continue to build research skills by crediting sources and presenting information in a format appropriate for content. Grammar knowledge will be expanded as the student presents, writes, and edits materials, applying the conventions of language. The student will engage in developing a variety of writing styles to effectively convey their purpose and reach their audience. In addition, students will explore the writing process by researching, creating rough drafts, and revising their work. Additional reading, writing and/or projects will be assigned.

Prerequisite: English 9

Location: SHS

English 11 **SCED Code: 01003** **Grade Level: 11th** **Credit: 1**

This course is designed to make students develop and demonstrate critical and analytical thinking. Students will be able to make and analyze informative and persuasive oral presentations with attention to the accuracy of evidence and the effectiveness of delivery. The study of both classic and contemporary American literature will enhance the student's appreciation of literature. The student will be able to identify the prevalent themes and characterizations present in American literature, which are reflective of the history and culture. The student will be able to write clear and accurate personal, professional, and informational correspondence and reports for research and other applications. Grammar development will continue through the application of rules for sentence formation, usage, spelling, and mechanics. The student will develop attention to organization and accuracy. All English 11 students must pass the English 11 Writing and English 11 Reading SOL tests in order to graduate. Additional reading, writing and/or projects will be assigned.

Prerequisite: English 10

Location: SHS

**AP Language and
Composition**

SCED Code: 01005 Grade Level: 11th

Credit: 1

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.

This is the equivalent of a college-level literary analysis course. For more detailed information about the course's scope and sequence, please visit

<https://apstudents.collegeboard.org/courses/ap-english-language-and-composition> .

Prerequisite: English 10

Location: SHS

English 12

SCED Code: 01004 Grade Level: 12th

Credit: 1

This course is designed to continue developing organizational skills in both verbal and nonverbal presentation skills to plan and deliver an effective oral presentation, choosing language and tone appropriate to the audience and purpose. Students will use technology and understanding of various media to create, organize, and display knowledge in ways others can access, view and use.

The student will expand general and specialized vocabulary through speaking, listening, reading and viewing. The student will analyze British literature and literature of other cultures, recognizing major literary forms and their elements. Using nonfiction texts, students will analyze and synthesize information to solve problems. Writing will include the production of informational, expository, and persuasive/argumentative papers, logically organized demonstrating knowledgeable judgements, and effective conclusions.

The student will also study writing, grammar, vocabulary, spelling, research, reading comprehension and the study and interpretation of literature. The literature in Senior English is mainly a survey of British literature from Beowulf through the modern period with a few works of world literature from various periods also studied. Senior English will prepare students for college, careers, and beyond. Additional reading, writing and/or projects will be assigned.

Students will be able to produce a well-documented major research product by locating, evaluating, synthesizing, and documenting information following ethical and legal guidelines. The student will demonstrate advanced knowledge of grammatical conventions through writing, editing, and speaking.

Prerequisite: English 11

Location: SHS

English 12 DE **SCED Code: 01004** **Grade Level: 12th** **Credit: 1**

This course is part of the Dual Enrollment Program and fulfills the requirements for English 111 and English 112 at Paul D. Camp Community College. Students will compose essays, produce research assignments, and analyze literature on the collegiate level. Credits earned from this course will carry three hours of college credit and are transferable once credit is granted from Paul D. Camp Community College. Successful completion of the courses determines credit; no standardized examination is necessary.

**There are fees associated with this course which must be paid to Southampton County Public Schools. For more information, please contact the school counselor.*

Prerequisite: English 11 or AP Language and Composition ; a 3.0 Grade Point Average (cumulative weighted or unweighted high school GPA) is required by CCC

Location: SHS

Journalism I **SCED Code: 11101** **Grade Level: 9th - 12th** **Credit: 1**
(Newspaper)

This course will introduce the history of journalism and review current principles and trends in the journalism industry. Journalism I students should be self-motivated, professional, and outgoing. They will be expected to conduct interviews, collect research, outline, write, and edit articles.

Prerequisite: Minimum 2.0 GPA recommended

Location: SHS

Journalism II **SCED Code: 11101** **Grade Level: 10th - 12th** **Credit: 1**
(Newspaper)

This course will continue the principles of journalism and expand on the principles and trends in the journalism industry as relating to Southampton County and Southampton High School's newspaper. Journalism II students should be detailed, focused, and professional. They will be expected to conduct interviews, collect research, outline, write, and edit articles as it relates to Southampton High School newspaper.

Prerequisite: Journalism I or instructor's permission. Minimum 2.0 GPA in English recommended.

Location: SHS

Public Speaking **SCED Code: 01151** **Grade Level: 9th - 12th** **Credit: 1**

Oral presentation to large or small groups is a vital part of education. Students will learn how to select topics, devise strategies for presentation, and prepare for delivery. Writing skills, body language, and speaking styles will be refined through a variety of activities. The course will also include the study of communications. Students will participate in skits, improv acting, and debate.

Prerequisite: Minimum 2.0 GPA in English recommended.

Location: SHS

World Languages And Culture

American Sign Language (ASL) (Virtual) **SCED Code: 24852** **Grade Level: 9th -12th** **Credit: 1**

All public Virginia colleges and universities accept American Sign Language (ASL) as fulfillment of the world language entrance requirement.

While all public schools in Virginia recognize ASL as a World Language, some private colleges and out-of-state higher education institutions do not accept American Sign Language courses for world language credit.

In this course, students will learn basic ASL vocabulary and acquire knowledge of the manual alphabet. Students will also study the history of ASL and deaf culture. Students will practice expressive and receptive language skills within the context of meaningful and experiential activities related to home, school, and community environments.

Prerequisite: N/A

Location: SHS

French I **SCED Code: 24102** **Grade Level: 9th -12th** **Credit: 1**

In this course, students will develop the ability to communicate about themselves and their immediate environment in French at the beginner-novice level by producing basic language structures.

In this introductory French course, emphasis is placed on speaking and listening skills. Visual aids and activities will be used to strengthen students' vocabulary and word usage. Class participation is essential. Reading and writing exercises will also provide opportunities to use the language. French speaking cultures will come alive in the forms of music, food, and other experiences. Students will be able to develop language skills, specifically listening, speaking, reading, and writing. Students will work on communication skills in listening and reading which will facilitate the ability to communicate orally and in writing.

Prerequisite: N/A

Location: SHS

French II **SCED Code: 24103** **Grade Level: 9th -12th** **Credit: 1**

In this course students will continue to develop proficiency in French at the intermediate-novice level in all four language skills: listening, speaking, reading, and writing. Listening and reading facilitate the ability to communicate orally and in writing.

Students work on developing dialogues, descriptions, and reading for comprehension. This course will allow students to use lesson vocabulary to further develop competency and conversational skills.

Students will expand French grammar and cultural competencies through activities, games, and interactive activities.

Students will be able to read material on familiar topics and produce short writing samples.

Prerequisite: French II

Location: SHS

French III **SCED Code: 24104** **Grade Level: 10th -12th** **Credit: 1**

In this course students will continue to develop and refine proficiency in French at the intermediate level in all four language skills: listening, speaking, reading, and writing. Emphasis is placed on the ability to interact orally and in writing.

Students will incorporate vocabulary and grammar in writing short essays and descriptions. Reading comprehension is emphasized through discourse involving answering questions and discussing excerpts. Students are encouraged to work on fluency in the language. Cultural discussions and projects will play a vital role in this course.

Students are expected to comprehend authentic materials to which they listen and read and are able to identify significant details when the topics are familiar.

Prerequisite: N/A

Location: SHS

French IV **SCED Code: 24105** **Grade Level: 11th -12th** **Credit: 1**

In this course students develop communication skills in French at an advanced intermediate level integrating all four language skills: listening, speaking, reading, and writing. Emphasis is placed on the ability to interact orally and in writing. Students will focus on their abilities to interact orally and in writing, authentic language sources are emphasized at this level.

This course is designed to develop the student's communication abilities in French. Students will be able to write short themes and dialogues to be shared with the class.

Students will complete the study of major tenses and grammatical forms. Discussions of reading and culture will be in the target language.

Prerequisite: French III

Location: SHS

French V **SCED Code: 24106** **Grade Level: 11th -12th** **Credit: 1**
(Virtual)

In this course students will use more complex and sophisticated communication at an intermediate level in all four language skills areas including listening, speaking, reading, and writing. Emphasis is placed on the ability to interact, persuade, compare, and contrast orally and in writing. Extensive reading of French literature is required.

Students study literary words as well as current and historical events representing the various geographical regions of the world where French is spoken.

Prerequisite: French IV

Location: SHS

**Latin I
(Virtual)**

SCED Code: 24342

Grade Level: 9th -12th

Credit: 1

This course explores basic Latin grammar and vocabulary and develops the skills necessary to read elementary Latin texts. Students will be able to connect the ancient language of Latin which is the base of all other Romance languages.

Students will gain a perspective of the lifestyle of the classical world. The course is supplemented by a general overview of Greco-Roman civilization, including history, daily life and mythology. English derivatives are emphasized to show the influence of Latin upon the English language and to contribute to the growth of each student's personal vocabulary. Students will also explore Roman life in such areas as history, government, literature, art, architecture, philosophy, religion, military, and linguistics.

Prerequisite: N/A

Location: SHS

**Latin II
(Virtual)**

SCED Code: 24343

Grade Level: 10th -12th

Credit: 1

This course reviews material from Latin I, intermediate grammar and vocabulary, and continues to develop skills necessary to read Latin texts. They expand their understanding of Greco-Roman civilizations and English derivatives.

Students will continue to develop cultural understanding, attitudes, and linguistic performance skills. Students will continue to develop their awareness of the contributions of Roman civilization and culture on Western Culture and the way of life. As students gain knowledge, they will broaden their perspective on life and language and recognize the influence of the past on the present

Prerequisite: N/A

Location: SHS

**Latin III
(Virtual)**

SCED Code: 24344

Grade Level: 11th -12th

Credit: 1

This course advances grammatical concepts and vocabulary. Students will continue the study of Greco-Roman Culture and English derivatives.

Students will continue to develop knowledge and understanding of a classical culture, attitudes, history and their relevance to the present day. Emphasis will be placed on the development of Rome as an empire, the military, literary and political figures who played prominent roles in that development.

The formal study of Latin grammar will be completed during this course with emphasis on the subjunctive and participle needs of the verb and the construction associated with these moods. The review of grammatical forms studied during earlier courses of Latin will continue through readings including the works of a particular Roman author-Caesar, Livy, Pliny, or Ovid.

Prerequisite: Latin II

Location: SHS

Spanish I **SCED Code: 24052** **Grade Level: 8th -12th** **Credit: 1**

In this course students will learn about Spanish speaking cultures around the world and compare them with Spanish speaking cultures in the United States.

Students will develop the ability to communicate about themselves and their immediate environment in Spanish at the beginner-novice level, producing basic language structures. This communication is evidenced in all four language skills: listening, speaking, reading and writing. Listening and reading facilitate the ability to communicate orally and in writing.

Prerequisite: N/A

Location: SHS

Spanish II **SCED Code: 24053** **Grade Level: 9th -12th** **Credit: 1**

In this course students will continue to develop proficiency in Spanish at the intermediate-novice level in all four language skills; listening, speaking, reading, and writing. Listening and reading facilitate the ability to communicate orally and in writing.

Students will learn to function in real-life situations using more complex sentences and language structures. They will also read material on familiar topics and produce short writing samples. The students will engage in grammar and vocabulary building through higher level reading and writing.

Prerequisite: Spanish I

Location: SHS

Spanish III **SCED Code: 24054** **Grade Level: 10th -12th** **Credit: 1**

In this course students will refine and develop their proficiency in Spanish at a more advanced level. Students will continue integrating all four language skills: listening, speaking, reading, and writing. Emphasis is placed on the ability to interact orally and in writing.

Students will communicate using more complex language structures on a variety of topics, moving from concrete to more abstract concepts. At this level, students comprehend authentic materials to which they listen and read and are able to identify significant details when the topics are familiar.

Students will continue to build their vocabulary and grammar skills. This course aims to infuse knowledge and skills from Spanish I and II to build fluency. Students are able to converse on various topics, as well as, communicate original thoughts in written expression.

This course is suited for students who want to work at perfecting their knowledge and skills.

Prerequisite: Spanish II

Location: SHS

Spanish IV SCED Code: 24055 Grade Level: 11th -12th Credit: 1

In this course students will refine and develop their proficiency in Spanish at an intermediate level. Students will continue integrating all four language skills: Students will continue integrating all four language skills: listening, speaking, reading, and writing. Emphasis is placed on the ability to interact orally and in writing.

Students will communicate using more complex language structures and express abstract ideas with reasonable fluency. Students are able to create and listen with understanding to reports and presentations in Spanish. This course aims to infuse knowledge and skills from Spanish I-II to build fluency. Students are also able to describe, summarize, and discuss selected global themes and topics.

Students will be able to converse on various topics, as well as, communicate original thoughts in written expression. This course is suited for students who want to work at perfecting their knowledge and skills as they work on perfecting their communication and grammar skills.

For more information about this course, please contact the school counselor.

Prerequisite: Spanish II

Location: SHS

Spanish V SCED Code: 24056 Grade Level: 12th Credit: 1

In this course students will expand their proficiency in Spanish at a higher level. Students will continue integrating all four language skills: listening, speaking, reading, and writing. Emphasis is placed on the ability to interact, persuade, compare and contrast orally and in writing.

Students will also study literary works as well as current and historical events representing the various geographical regions of the world where Spanish is spoken.

This is a rigorous course where students are expected to work both in groups and independently.

For more information about this course, please contact the school counselor.

Prerequisite: Spanish IV

Location: SHS

Mathematics

All students are expected to achieve success on the Virginia Department of Education (VDOE) Standards of Learning (SOL) as specified for Algebra I. Southampton County Public Schools considers several steps in the planning and implementation of mathematics curriculum, Thoughtful attention is given to the sequential development of concepts and skills, the scaffolding of information, technological access and tools, and students' individual level and needs.

Students are supported through the process to make connections, develop core competencies, and build relationships between mathematical concepts which includes, algebra and arithmetic, geometry, and probability and statistics. Students will also learn to make connections with mathematics and other subject areas through practical applications. This approach to teaching Algebra is intended to help students attach meaning to abstract concepts which will be beneficial in other areas of mathematics and other content areas.

The VDOE standards require students to use algebra as a tool for representing and solving a variety of practical problems. The use of visual aids, manipulatives, and practical instruments, such as tables and graphs, will be used to interpret equations and analyze behaviors of functions.

Graphing utilities enhance the understanding of functions. They provide a powerful tool for solving and verifying solutions to equations and inequalities. Technological tools including graphing calculators, computers, and other appropriate technological tools will be used to assist in student learning and instruction.

Students will be encouraged throughout these courses to engage in discourse about mathematics by using the language and symbols in representations and communication. Students will be able to discuss problems, demonstrate problem solving abilities, and develop mathematical confidence in themselves.

Algebra I **SCED Code: 02052** **Grade Level: 9th -12th** **Credit: 1**

This course incorporates concepts and skills necessary for students to succeed in the study of rigorous mathematics curriculum as required by the Virginia Department of Education (VDOE) this course covers the mathematical properties of numbers and extends to include the development of the real number system. The fundamental concepts of equality, functions, multiple representations, probability and data analysis guide for the activities that allow students to enhance problem solving skills. Computers and graphing calculator technologies are incorporated into the curriculum in order to allow students opportunities to explore concepts, provide visual models to support the learning of algebraic concepts, and as powerful tools for solving and verifying solutions to equations and inequalities. Mathematical communication and reasoning are emphasized throughout the course.

The VDOE Standards of Learning (SOL) exam for Algebra I will be administered at the end of the course.

Prerequisite: Pre-Algebra with minimum grade of "C"

Location: SHS

Geometry **SCED Code: 02072** **Grade Level: 9th -12th** **Credit: 1**

This course provides students with an opportunity to develop in-depth exposure to the combined study of plane, solid, and coordinate geometric concepts that is necessary for the study of advanced mathematics. Investigations of lines, planes, congruence, similarity, areas, volumes, circles, and three-dimensional shapes are incorporated to provide a complete course of study. Formal and informal deductive reasoning skills are developed and applied to the construction of formal proofs. An emphasis on reasoning, problem solving, and proof is embedded in the course and includes two-column proofs, paragraph proofs, and coordinate proofs.

Emphasis will be placed on the continued study of equations, systems of equations, inequalities, and systems of inequalities builds on Algebra I concepts while polynomials, imaginary numbers in the complex number system, and sequences and series allow additional opportunities for modeling and practical applications. Oral and written communication concerning the language of Algebra, logic of procedures, and interpretation of results will be analyzed throughout the course.

Computers and graphing calculator technologies are incorporated into the curriculum in order to allow students opportunities to examine concepts, participate in inquiry based learning, explore visual models to support the learning of geometric concepts, and develop powerful methods for solving and verifying solutions to equations and inequalities. Mathematical communication and reasoning are emphasized throughout the course.

The VDOE Standard of Learning (SOL) exam for Geometry will be administered to eligible students at the completion of this course.

Enrollment in Geometry requires successful completion of Algebra I.

Prerequisite: Successful completion of Algebra I.

Location: SHS

Algebra II **SCED Code: 02056** **Grade Level: 9th -12th** **Credit: 1**

Students enrolled in Algebra II have mastered the concepts outlined in Algebra I. All students enrolled in Algebra II are expected to achieve success as prescribed on the Virginia Standards of Learning (VSOL). A thorough exploration of advanced algebraic concepts will be conducted through the study of families of functions, equations, inequalities, system of equations, inequalities, polynomials, rational and radical equations, complex numbers, sequences and series.

Emphasis will be placed on the continued study of equations, systems of equations, inequalities, and systems of inequalities builds on Algebra I concepts while polynomials, imaginary numbers in the complex number system, and sequences and series allow additional opportunities for modeling and practical applications. Oral and written communication concerning the language of algebra, logic of procedures, and interpretation of results will be analyzed throughout the course.

Graphing calculators and other emerging technologies are incorporated into instruction to enhance teaching and learning. Mathematical communications, reasoning, problem solving, critical thinking and multiple representations are emphasized throughout the course.

The VDOE Standards of Learning (SOL) exam for Algebra II will be administered at the completion of this course.

Prerequisite: Successful completion of Algebra I and Geometry.

Location: SHS

**Algebra, Functions and
Data Analysis**

SCED Code: 02902

Grade Level: 10th -12th

Credit: 1

This course is designed for students who have successfully completed the standards for Algebra I. Students will explore inequalities, probability, data analysis, experimental design and implementation, designing experiments and building mathematical models. Data will be generated by practical applications arising from science, business, and finance.

Students will solve problems through designing experiments and building mathematical models to describe the experimental results and will allow students to strengthen conceptual understandings of linear, quadratic, exponential, and logarithmic functions. Students will study functions, and their behaviors, system of inequalities, probability, experimental design and implementation, and analysis of data.

Data is generated by practical applications arising from science, business, and finance. Students solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations. Through the investigation of mathematical models, and interpretation and analysis of data from real life situations, students strengthen conceptual understandings in mathematics and further develop connections between algebra and statistics.

Graphing calculators are incorporated into instruction to enhance teaching and learning, Mathematical communications are emphasized.

Prerequisite: Algebra I

Location: SHS

Computer Mathematics

SCED Code: 02156

Grade Level: 10th -12th

Credit: 1

This course, as described by the [2016 Virginia Standards of Learning](#), introduces students to programming as a problem-solving tool. Students will learn to design and apply computer programs to solve practical problems in mathematics arising from business and other applications in mathematics by writing, testing, and debugging computer programs. The course will center on methods for writing algorithms to solve real-world problems, to include breaking problems into modules or units, defining program constraints, and writing program specifications and documentation. Specific programming tasks will be taught and used to solve problems, including the design and declaration of variables, composition of assignment statements, selection and calling of library functions, use of conditional statements, use of pre-defined algorithms, iteration, use of one- and two- dimensional arrays, and use of order of operations to achieve a desired sequence of actions.

Prerequisite: Algebra I

Location: SHS

AP Computer Science A**SCED Code: 10157****Grade Level: 9th -12th****Credit: 1**

Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. You'll do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks.

The College Board states that this course is equivalent to a one-semester, introductory college course in computer science.

The College Board's recommended prerequisites are: high school courses in English and algebra, and familiarity with functions and the concepts found in the uses of function notation.

Prerequisite: See description for the College Board's recommendation.

Location: SHS

**Trigonometry/
Advanced Algebra****SCED Code: 02106****Grade Level: 11th -12th****Credit: 1**

This course is designed for students who demonstrate keen interest in pursuing mathematical advancement in a course that is rigorous and non-calculus based. Students can expect to expand their knowledge of the study of functions, including parent functions, families of functions and transformational graphing. Transformational graphing uses translations, reflections, dilations, and rotations to generate a family of graphs from a parent graph. The continued study of equations, systems of equations, inequalities, and systems of inequalities builds on Algebra I concepts while polynomials, imaginary numbers in the complex number system, matrices, and sequences and series allow additional opportunities for modeling and practical applications.

To become familiar with topics that may include collecting and interpreting data through numerical methods, binomial and normal distribution, probability, linear correlation and regression, analysis of variance, and other descriptive statistical methods. Students should be able to transform data to aid in data interpretation and prediction and test hypotheses using appropriate statistics. Upon completion of this course, students will have the opportunity to take the national AP statistics exam in May. Student's successful performance on this exam could potentially earn college credit.

Students' study of trigonometry will include trigonometric definitions, applications, equations, and inequalities. The connections between right triangle ratios, trigonometric functions, and circular functions are emphasized. Graphing calculators and other emerging technologies are incorporated into instruction to enhance teaching and learning. Mathematical communications, reasoning, problem solving, critical thinking, and multiple representations are emphasized throughout the course.

Students who have previously enrolled and earned credit towards Pre-Calculus II, are not awarded another mathematics credit for taking Trigonometry/Advanced Algebra.

Prerequisite: Algebra II or Geometry with a minimum GPA of 3.0

Location: SHS

Pre-Calculus I DE SCED Code: 02104 Grade Level: 10th -12th Credit: 0.5

This is the first half of a two-part course in Precalculus. To enroll in this course, students would have successfully completed Algebra II and Geometry with a minimum GPA of 3.0. Students enrolled in this course follow Virginia State SOLs for Mathematical Analysis and fulfills the requirements for **Math 163** Paul D. Camp Community College for 3 college credits. This course is designed to extend students' knowledge of function characteristics and to introduce a more intensive mode of mathematical reasoning. Topics covered in this course will include college algebra, algebraic, exponential, and logarithmic functions, matrices, parametric equations, and sequences and series. Mathematical communication, reasoning, problem solving, critical thinking, and multiple representations are emphasized throughout the course.

This course is part of the Dual Credit program with Paul. D. Camp Community College. There are tuition fees associated with this course which must be made payable to Southampton county Public Schools. For more information, please contact the school counselor.

Prerequisite: Algebra II and Geometry with a minimum GPA of 3.0 Location: SHS

Pre-Calculus II DE SCED Code: 02110 Grade Level: 10th -12th Credit: 0.5

This is the second half of a two-part course in Pre-Calculus. To enroll in this course students would have successfully completed Pre-Calculus I DE, Algebra II and Geometry with a minimum GPA of 3.0. Students enrolled in this course follow Virginia State SOLs for Mathematical Analysis and fulfill the requirements for Math 164 from Paul D. Camp Community College for 3 college credits. This course is designed to extend students' knowledge of previously covered Pre-Calculus material while taking a deeper dive into Pre-Calculus and beyond in the exploration of concepts , including polynomial, exponential, logarithmic and rational functions, theory of equations, and sequences and series, conic sections, limits, mathematical induction, and the Binomial Theorem. Trigonometry topics include triangular and circular definitions of the trigonometric functions, establishing identities, special angle formulas, Law of Sines, Law of Cosines, and solutions of trigonometric equations. Constructing, interpreting, and using graphs of the various function families are stressed throughout the course of study. Students are encouraged to explore fundamental applications of the topics studied with the use of graphing calculators.

This course is part of the Dual Credit Program with Paul D. Camp Community College's Associate Degree Program. There are tuition fees associated with this course which must be made payable to Southampton County Public Schools. For more information, please contact the school counselor.

Students who have previously enrolled and earned credit towards Trigonometry/Advanced Algebra, are not awarded another mathematics credit for taking Pre-Calculus II.

**Prerequisite: Pre-Calculus I DE, Algebra II, Geometry with a minimum GPA of 3.0
Location: SHS**

Calculus I DE SCED Code: 02121 Grade Level: 11th -12th Credit: 0.5

This course is designed for students who have successfully completed Pre-Calculus I and II. This is the first part in a two-part course sequence that is given in a semester and fulfills the requirements for Math 175 from Paul D. Camp Community College for three (3) college credits.

This course covers an extensive study of elementary functions, limits, integral, and differential Calculus. Topics will include techniques and applications of the derivative, definite integral, applications to algebraic and transcendental functions and the Fundamental Theorem of Calculus.

Students enrolled in this course must enroll in DE/AP Calculus Part II in the same calendar year. The course covers the first part of the requirements of the College Board Advanced Placement Calculus AB course.

There are tuition fees associated with this course which must be made to Southampton County Public Schools. For more information, contact the school counselor.

Prerequisite: Pre-Calculus I and II with a minimum grade of “C” and a 3.0 Grade Point Average. **Location: SHS**

Calculus II DE SCED Code: 02121 Grade Level: 11th -12th Credit: 0.5

This course is designed for students who have successfully completed Calculus I DE, This is the second part in a two-part course sequence. It fulfills the requirements for Math 176 from Paul D. Camp Community College for three (3) college credits.

This course continues the study of integral calculus of one variable including indefinite integrals, definite integrals and methods of integration with applications to algebraic and transcendental functions. Students will synthesize knowledge of the topics of the course to solve applications that model physical, social, and/or economic situations. These applications emphasize derivatives as rates of change, local linear approximations, optimizations and curve analysis, and integrals as Riemann sums, area of regions, volume of solids with known cross sections, average value of functions, and rectilinear motions.

Upon successful completion of this course, students enrolled in this course would have completed the requirements of the College Board Advanced Placement Calculus AB course.

This course covers the second part of the requirements of the College Board Advanced Placement Calculus AB course.

There are tuition fees associated with this course which must be made to Southampton County Public Schools. For more information, contact the school counselor.

Prerequisite: Calculus I and a 3.0 Grade Point Average. **Location: SHS**

**AP Probability &
Statistics****SCED Code: 02201****Grade Level: 11th -12th****Credit: 1**

Learn about the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. You'll explore statistics through discussion and activities, and you'll design surveys and experiments.

The College Board states that this course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The College Board recommends successful completion of a second-year course in algebra prior to attempting this course.

Upon completion of this course, students will have the opportunity to take the national AP statistics exam in May. Student's successful performance on this exam could potentially earn college credit. **This course is typically offered virtually.**

There are fees associated with the national AP exam. For more information, please contact the school counselor.

Prerequisite: Algebra II

Location: SHS

Science

All science classes listed are laboratory science courses. Earth Science, Biology, and Chemistry all require the Virginia Standards of Learning (SOL) tests near the end of the course for eligible students. Students seeking a Standard diploma must complete a minimum of three science classes in two different disciplines. Students seeking the Advanced Studies Diploma must complete a minimum of four science classes in three different disciplines.

Biology **Course Code: 03051** **Grade Level: 9th -12th** **Credit: 1**

Students enrolled in Biology can expect to gain a detailed knowledge of living systems. Areas of study will include cellular organizations and processes, molecular biology, classification of organisms, genetics, evolution, and ecosystems. Students are expected to be able to demonstrate proper use of laboratory tools as controlled experiments are performed, and results are reported.

Biology is the study of the exploration into living systems. A student's natural sense of curiosity and inquiry is developed to promote the student's ability to explore their natural surroundings and have them think of the appropriate questions to further their understanding of biology. In order to answer these questions, students are introduced to how scientists explore the world through scientific investigations and methods. Using these methods, students will investigate biochemical life processes, cellular organizations, and mechanisms of inheritance, dynamic relationships among organisms, and the change in organisms through time.

The Virginia Standards of Learning for Biology are designed to provide students with a detailed understanding of living systems. Emphasis continues to be placed on these skills necessary to examine alternative scientific explanations, actively conduct controlled experiments, analyze and communicate information, and gather and use information in scientific literature. The history of biological thought and the evidence that supports it are explored, providing cellular organization, mechanisms of inheritance, dynamic relationships among organisms, and the change in organisms through time. The importance of scientific research that validates or challenges ideas is emphasized at this level. All students are expected to achieve the content of the biology standards.

The Virginia Standards of Learning exam for Biology will be administered at the end of the course.

Prerequisite: Science 8

Location: SHS

Biology II —Advanced **SCED Code: 03052** **Grade Level: 11th -12th** **Credit: 1**
Survey of Biology Topics

This course is designed for students who demonstrate a keen interest in pursuing medical or science careers or specializations.

Students in this advanced specialized elective will concentrate on Botany, Zoology, Anatomy, and Microorganisms.

Prerequisite: Biology with a grade of B and a minimum GPA of 3.0

Location: SHS

Biology DE SCED Code: 03051 Grade Level: 10th -12th Credit: 1

This course is designed for students who demonstrate a knowledge and skill in Science and would like to work towards earning college credit while still in high school.

Students in this course will explore fundamental characteristics of living matter from the molecular level to the ecological community with emphasis on general biological principles. This class introduces the diversity of living organisms, their structure, functions and evolution.

This course is part of the Dual Credit Program with Paul D. Camp Community College's Associate Degree Program. There are fees associated with this course which must be made to Southampton County Public Schools. For more information, contact the school counselor.

Prerequisite: Biology and Chemistry with a minimum GPA of 3.0 Location: SHS

Biology II—Anatomy and Physiology DE SCED Code: 03053 Grade Level: 11th -12th Credit: 1

This course is designed for students who demonstrate a keen interest in pursuing medical or science careers or specializations. Students in this course would have completed an introductory Biology class and a class in Chemistry. This course will introduce the students to medical terminology. It will explore the structures of the human body and how this structure influences its function (physiology). Students will begin to understand how dysfunction leads to injury and disease. This brief but comprehensive course will provide the student with an appreciation of how the body works.

Prerequisite: Biology and Chemistry with minimum GPA of 3.0 Location: SHS

AP Chemistry SCED Code: 03106 Grade Level: 11th -12th Credit: 1

This advanced course is the equivalent of a first-year college level class. The curriculum will be delivered at a rigorous pace that follows the course outline of the College Board's AP Chemistry program. The course includes many extended lab procedures. In addition, such fields as organic chemistry, biochemistry, nuclear chemistry, coordination complexes, and semi-micro qualitative analysis are introduced.

Students are expected to cover the Chemistry curriculum at a deeper level where the focus and emphasis is on mathematical formulation of principles and laboratory activities based on experimental problems and independent study. Concepts and principles studied include atomic theory and structure, chemical bonding, gasses, liquids and solids, solutions, stoichiometry, reaction types, equilibrium, kinetics, thermodynamic relations and chemical calculations.

Students enrolled in Chemistry AP will have an opportunity to take the national AP Chemistry exam with a potential of earning college credit. There are fees associated with the national AP exam. For more information contact the school counselor.

Prerequisite: Algebra II/Trigonometry and Chemistry Location: SHS

Chemistry **SCED Code: 03101** **Grade Level: 10th -12th** **Credit: 1**

The Chemistry standards continue to focus on student growth in understanding the nature of science. This scientific view defines the idea that explanations of nature are developed and tested using observation, experimentation, models, evidence, and systematic processes. The nature of science includes the concepts that scientific explanations are based on logical thinking; are subject to rules of evidence; are consistent with observational, inferential, and experimental evidence; are open to rational critique; and are subject to refinement and change with the addition of new scientific evidence.

The Virginia Standards of Learning for Chemistry are designed to provide students with a detailed understanding of the interaction of matter and energy. This interaction is investigated through the use of laboratory techniques, manipulation of chemical quantities, and problem-solving applications. Scientific methodology is employed in experimental and analytical investigations, and concepts are illustrated with current practical applications that should include examples from environmental, nuclear, organic, and biochemistry content areas.

Prerequisite: Biology & Algebra I

Location: SHS

Earth Science **SCED Code: 03001** **Grade Level: 9th-12th** **Credit: 1**

The Virginia Standards of Learning for Earth Science connect the study of Earth's composition, structure, processes, and history; its atmosphere, fresh water, and oceans; and its environment in space. The standards emphasize historical contributions in the development of scientific thought about Earth and space. The standards stress the interpretation of maps, charts, tables, and profiles; the use of technology to collect, analyze, and report data; and the utilization of science skills in systematic investigation. Problem solving and decision making are an integral part of the standards, especially as they relate to the costs and benefits of utilizing Earth's resources. Major topics of study include plate tectonics, the rock cycle, Earth history, the oceans, the atmosphere, weather and climate, and the solar system and universe. The Earth Science standards continue to focus on student growth in understanding the nature of science. This scientific view defines the idea that explanations of nature are developed and tested using observation, experimentation, models, evidence, and systematic processes. The nature of science includes the concepts that scientific explanations are based on logical thinking; are subject to rules of evidence; are consistent with observational, inferential, and experimental evidence; are open to rational critique; and are subject to refinement and change with the addition of new scientific evidence. Students intending to major in the science field should consult their school of choice or contact their school counselor to determine requirements for college admissions and for specific intended majors as each higher education institution varies with their requirements and expectations.

Prerequisite: Science 8

Location: SHS

Earth Science II/Astronomy SCED Code: 03004 Grade Level: 9th-12th Credit: 1

The goal of this course is to provide students with an introduction to the concepts of modern astronomy, the origin and history of the universe, and the formation of the Earth and the solar system. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars, the Milky Way and other galaxies, black holes, and the origin of the universe. There should be descriptive and comparative studies as well as investigations. Teachers should work with local science organizations, including observatories and planetariums.

Prerequisite: Earth Science or Biology or Chemistry

Location: SHS

**Earth Science
II/Oceanography SCED Code: 03005 Grade Level: 9th-12th Credit: 1**

This course offers students the opportunities to expand their understanding of the physical and biological sciences through interactions and experience with the ocean and its inhabitants. Students will learn about processes that influence the hydrosphere, as well as the influence of the hydrosphere on the environment. This course emphasizes the use of laboratory and field investigation to collect data on structure, function, and interactions of the diverse marine organisms and ultimately explore issues involving human impact on the marine environment.

Prerequisite: Earth Science or Biology or Chemistry

Location: SHS

AP Environmental Science SCED Code: 03207 Grade Level: 9th-12th Credit: 1

Per the College Board, this course is equivalent to a one-semester, introductory college course in environmental science. Prerequisites for this course recommended by the College Board: two years of high school laboratory science, including a life science and a physical science, along with at least one course of algebra.

More information is available here:

<https://apstudents.collegeboard.org/courses/ap-environmental-science>

Prerequisite: See description for the College Board's recommendations.

Location: SHS

Environmental Science SCED Code: 03003 Grade Level: 9th-12th Credit: 1

This course provides students the opportunity to synthesize information and knowledge of physics, chemistry, earth science, and biology while developing the Naturalist Intelligence. Students gain an understanding of ecological concepts including air, water, soil, biological diversity, and human impacts.

Inquiry skills are developed through fieldwork, service projects, and collaborative investigation while using appropriate technology. Because of the interdisciplinary focus of the course, students are challenged with diverse topics, rigorous reading requirements, and opportunities for written and oral presentations.

Students are afforded the opportunity to synthesize information and knowledge of physics, chemistry, earth science and biology while developing the Naturalist Intelligence. Students will gain an understanding of ecological concepts including air, water, soil, biological diversity, and human impact.

Prerequisite: N/A

Location: SHS

Physics **SCED Code: 03151** **Grade Level: 11th -12th** **Credit: 1**

This course uses a highly mathematical approach to Physics. Students will learn and use many algebraic and trigonometric concepts while investigating course content. Laboratory work will include graphical analysis. Topics include mechanics, electricity and magnetism, waves and optics, the Special Theory of Relativity, and atomic structure.

This course is both rigorous and challenging. It requires advanced reading, writing, mathematical skills, and the ability to work independently.

Prerequisite: Geometry with a minimum 3.0 GPA (Algebra II recommended) ***Location: SHS***

Scientific Research and Design **SCED Code: 03051** **Grade Level: 10th -12th** **Credit: 1**

In Scientific Research and Design courses, students conceive of, design, and complete a project using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling or manipulating variables, data analysis, and a coherent display of the project and its outcome(s).

This course counts as an elective credit, NOT as a laboratory science credit.

Prerequisite: None ***Location: SHS***

Social Sciences And Global Studies

Virginia/United States Government

SCED Code: 04151

Grade Level: 12th

Credit: 1

The Virginia Standards for the United States and Virginia Government identifies the knowledge which would enable citizens to participate effectively in civic and economic life. Students enrolled in these courses will examine fundamental constitutional principles, including the rights and responsibilities of the citizenry, political culture, policymaking processes at each level of government, the operation of the United States market economy, and the effects and impact on local economies. The standards identify the personal character traits that facilitate thoughtful and effective participation in the civic life of an increasingly diverse democratic society.

Civics education also must emphasize the intellectual skills required for responsible citizenship. Students will practice these skills as they extend their understanding of the essential knowledge defined by the standards for Virginia and the United States Government.

In this course students will study the structure, organization and functions of national, state, and local governments. Emphasis on the state of Virginia and the county of Southampton will be explored. The study of the rights and responsibilities of American citizens in contrast to other major democratic authoritarian nations.

Prerequisite: VA & U. S. History

Location: SHS

Virginia/United States Government DE

SCED Code: 04151

Grade Level: 12th

Credit: 1

This course is designed to present students with an analytical perspective of government and politics in the United States. The course involves both the study of general concepts used to interpret U. S. Politics and the analysis of specific issues. The course will include the various institutions, groups, beliefs, and ideas that constitute U. S. political reality.

This course has university-level academic expectations, where requirements for Southampton County Public Schools and Paul D. Camp Community College must be met by each student. In this course, students will expand their ability to think critically about social and political forces that shape their lives, community, and country. Students will work in an organized way for clear communication in all forms of writing. Students will strengthen their independent ability to describe and make conclusions about government structures and policies. Students will address and become informed, responsible citizens about multiple issues facing our government and the processes through which it works.

This course is part of the Dual Credit program with Paul. D. Camp Community College's Associate Degree Program. Successful completion of this course fulfills the requirements of American Government I & II (PLS 211 and 212) at Paul D. Camp Community College. There are fees associated with this course which must be paid to Southampton County Public Schools. For more information, please contact the school counselor.

Prerequisite: World History/Geography with a minimum 3.0 GPA

Location: SHS

Virginia & US History **SCED Code: 04101** **Grade Level: 11th** **Credit: 1**

United States History includes the historical development of American ideas and institutions from the Age of Exploration to present. While focusing on political and economic history, basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States and Virginia History will be provided by the following Virginia Standards of Learning. Students should use historical and geographical analysis skills to explore in depth the events, people, and ideas that fostered our national identity and led to our country's prominence in world affairs. The Virginia Standards of Learning test for Virginia and United States History will be administered at the end of the course.

Prerequisite: N/A

Location: SHS

Virginia & US History DE **SCED Code: 04101** **Grade Level: 11th** **Credit: 1**

This course fulfills the requirements of U.S. History 121 and 122 at Paul D. Camp Community College as well as the State Department mandate for the study of U.S. History at the high school level. Successful completion of the course determines credit; no standardized examination is necessary.

Prerequisite: N/A

Location: SHS

World History & Geography up to 1500 AD (World History I) **SCED Code: 04052** **Grade Level: 9th -12th** **Credit: 1**

The study of history rests on knowledge of dates, names, places, events, and ideas. Students are required to actively engage in historical thinking, raise questions and marshal evidence in support of answers. Students will draw on chronological thinking, historical comprehension, analysis, interpretation, historical research, and decision making. These skills are developed through the study of significant historical substances from the era or society being studied.

This course covers World History to 1500 A. D. Students are able to explore the historical development of people, places, and patterns of life from ancient times until about 1000 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.

The Virginia Standards of Learning exam for World History and Geography to 1500 A. D. will be administered at the end of the course.

Prerequisite: N/A

Location: SHS

World History/Geography 1500 to Present (World History II) **SCED Code: 04053** **Grade Level: 9th -12th** **Credit: 1**

The Virginia standards of Learning for World History and Geography 1500 A.D. to present will enable students to examine history and geography from 1500 A. D. (C.E) to the present, with emphasis on Western Europe. Geographic influences on history will continue to be explored but increasing attention will be given to political boundaries that developed with the evolution of nations. 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.

Geographic influences on history will be explored, along with noteworthy people and events of the nineteenth and twentieth centuries whose strong connections to contemporary issues will be covered. Increased attention will be given to political boundaries that developed with the evolution of nation-states.

Using texts, maps, pictures, stories, diagrams, charts, and a variety of chronological, inquiry, research, and technological skills, students will develop competence in chronological thinking, historical comprehension, and historical analysis.

The Virginia Standards of Learning exam for World History and Geography 1500 A. D. to the Present will be administered at the end of the course.

Prerequisite: World History I

Location: SHS

World Geography **SCED Code: 04001** **Grade Level: 9th -10th** **Credit: 1**

This course focuses on the study of the world's people, places and environment with historical emphasis on Asia, Latin America, Africa, and the Middle East. The knowledge, skills, and perspective of the course are centered on the world's population and cultural characteristics, its countries and regions, landforms and climates, natural resources and natural hazards, economic and political systems and migration and settlement patterns. Spatial concepts of geography will be linked to chronological concepts of history to set a framework for studying human interactions. The course will emphasize how people in various cultures influence and are influenced by their physical and ecological environments. Using texts, maps, globes, graphs, pictures, inquiry/research, and technological skills, students consider the relationship between people and places while asking and answering geographic questions.

Prerequisite: N/A

Location: SHS

AP Macroeconomics **SCED Code: 04254** **Grade Level: 9th -12th** **Credit: 1**

Explore the principles of economics that apply to an economic system as a whole. You'll use graphs, charts, and data to analyze, describe, and explain economic concepts.

Per the College Board, this course is equivalent to a one-semester, introductory college course in macroeconomics.

This course is typically offered synchronously through Virtual Virginia.

Prerequisite: N/A

Location: SHS

Sociology

SCED Code: 04258

Grade Level: 11th -12th

Credit: 1

This elective course examines the complexities of human relationships and systems. This course offers students an overview of the complex and dynamic connections of the social world. Students will engage in critical thinking about cultural and social issues while using the scientific method of research to aid in the understanding of human behavior.

Prerequisite: N/A

Location: SHS

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Band Artist **SCED Code: 05101** **Grade Level: 9th -12th** **Credit: 1**

This course requires participation in all scheduled rehearsals and performances. After school activities include concerts, scheduled rehearsals and school programs. Students who never participated in a band program may apply by audition with the Band Director. Mandatory attendance at activities is required.

Fall---Marching Band, Spring---Concert

Prerequisite: Beginning Band or Audition & Recommendation of Band Instructor

Location: SHS

Band Beginning **SCED Code: 05101** **Grade Level: 9th -12th** **Credit: 1**

Beginning Band provides an opportunity for each student to play a band instrument in a group setting. Beginning Band is designed for students who have had no previous training on the instrument chosen for them.

Prerequisite: None

Location: SHS

Chorus **SCED Code: 05110** **Grade Level: 9th -12th** **Credit: 1**
Beginning

This course is designed for students seeking an introduction to proper singing techniques and music reading. Various styles of music will be studied and performed. All performances are mandatory and will be graded. Daily participation, theory lessons, class work, and tests will also be included in the grade.

Prerequisite: None

Location: SHS

Chorus **SCED Code: 05110** **Grade Level: 9th -12th** **Credit: (Half Year) 1**
Advanced **Credit: (Full Year) 2**

This course is designed for students seeking a continuation and serious study of music and its functions with an emphasis on performance. A variety of repertoire will be performed and studied. Solo, duet, trio, and quartet performances in class are required for grade determination. All performances are mandatory. Daily participation, after school sectionals, theory lessons, classwork and tests will also be part of the grade. Students who take this class for the full year will receive two (2) units of credit.

Prerequisite: Beginning Chorus or Teacher Recommendation

Location: SHS

Graphic Arts & Design I **SCED Code: 05162** **Grade Level: 9th -12th** **Credit: 1**

This course is open to students who have successfully completed Art I and have an interest in digital art. Emphasis will be on using the fundamentals of art to create graphic designs. The class will focus on logos, advertisements, and illustrations using the computer program Adobe Illustrator CS.

Prerequisite: Art I with a minimum grade of "C"

Location: SHS

Graphic Arts and Design II SCED Code: 05162 Grade Level: 10th -12th Credit: 1
(Yearbook)

Graphic Design II will go beyond the basics of graphic design and move into advanced design techniques. This class has the primary focus of creating the SH yearbook. While creating the yearbook for Southampton High School, students will learn advertising, marketing, layout design, photography, and the program Online Design.

Prerequisite: Graphic Arts and Design I

Location: SHS

Photography SCED Code: 05167 Grade Level: 11th -12th Credit: 1

Photography is a class offered to upper grade level students who have taken and passed Art I. Photography is a course offered to students who want to learn about the broad range of photo-realms in art. Students will learn about digital photography and ADOBE Photoshop. Students who own a manual or digital camera are requested to bring them for use in class. Students will be required to pay a course fee.

Prerequisite: Art I

Location: SHS

Health And Physical Education

All students enrolled in Physical Education will be required to wear a Southampton County Public School Physical Education uniform, which includes school athletic attire and non-skid athletic footwear with non-marking soles. In addition, a lock is also required to secure students' property in their assigned locker during class.

Adaptive Physical Education **SCED Code: 08003** **Grade Level: 12th** **Credit: 1**

This course is open to select seniors on an annual basis. Enrollment and participation are determined by the number of students with disabilities who are enrolled. The course involves working with students who are not able to participate in the typical physical education classroom for various reasons based on their disability. Specific requirements for participation include designing and implementing specific exercise activity programs for a student with a disability, participation in the Special Olympic readiness programs, and a genuine desire to continue similar work after high school. Consistent exercise is required.

Advanced Physical Education/ Weight Training **SCED Code: 08009** **Grade Level: 11th-12th** **Credit: 0.5**

This course is centered on developing specialty skills in individual activities. Concentration will be on life use activities such as tennis, basketball, fitness and weightlifting. Students will use heart-rate monitors and will increase individual effort and time in their target heart-rate zones. Students will also be tested on the four physical fitness components.

Prerequisite: N/A

Location: SHS

Driver Education **SCED Code: 08151** **Grade Level: 10th** **Credit: 0.5**

This course counts as completion towards the Physical Education units for graduation. It is also required by the Commonwealth of Virginia Department of Motor Vehicle (DMV) with regards to a minor becoming eligible for his/her learner's permit. As a result of this, certain requirements must be fulfilled to satisfy both school and Virginia DMV regulations before a certificate of completion can be awarded. Course content will include the Virginia Department of Education SOL's for Driver Education as well as the Virginia DMV Driver's manual.

Students who opt to take the classroom phase of Driver Education in summer school or through a private driving school must also take the Southampton High School course as part of the curriculum to satisfy the Virginia Department of Education requirements for graduation credit.

Prerequisite: N/A

Location: SHS

Health Education SCED Code: 08051 Grade Level: 9th and 10th Credit: 0.5

This course is required for graduation and counts as completion towards the Health and Physical Education units. This course helps students develop positive health habits and attitudes to last a lifetime. Emphasis will be on learning the connection between establishing good health habits and enjoying a longer life.

The 9th grade health curriculum includes topics such as personal fitness and nutrition; stress and mental health; sleep; alcohol, tobacco, and drugs; gang involvement; endocrine system; body image and eating disorders; risk behaviors; consumer health and health agencies; global health issues; certification training in cardio-pulmonary resuscitation (CPR), Automatic External Defibrillator (AED) and First Aid; community health; and the use of technology in making informed, healthy choices. Selected Family Life Education (FLE) topics are also included in this course.

The 10th grade health curriculum includes topics such as medical and health career opportunities; alcohol, tobacco, and other drugs; organ donation; nutrition and wellness planning; risk behaviors; sedentary lifestyle; cancer; chronic disease; suicide; need for medical screenings; crisis management plans for natural disasters; emotional health; peer pressure; and conflict resolution. Driver Education classroom instruction and selected Family Life Education (FLE) topics are also included in this course.

Prerequisite: N/A

Location: SHS

Physical Education I SCED Code: 08001 Grade Level: 9th Credit: .5

Physical Fitness and Conditioning I is designed to teach the concepts of the history, techniques, rules, routines, and biological aspects of a wide range of weight training, aerobic training and physical fitness practices. This is an excellent opportunity to increase individual fitness levels. Students will begin to use heart-rate monitors. The goal is for students to reach their target heart rate for 15 minutes three times a week. Students will achieve this through circuit training cycling, running, and weightlifting. Students will also continue to be tested on the four physical fitness components. *Open to 9th grade students.*

Prerequisite: N/A

Location: SHS

Physical Education II SCED Code 08005 Grade Level: 10th Credit: .5

Physical Fitness and Conditioning II expands on the concepts learned in physical Fitness/Conditioning I. Students will continue to use the heart-monitors. The goal is for the students to reach their target rate for 15 minutes three times a week. Students will achieve this through circuit training, cycling, running, and weightlifting. Successful completion of Physical Fitness and Conditioning I is required for enrollment in Physical Fitness and Conditioning II. *Open to 10th grade students.*

Prerequisite: Specific details provided

Location: SHS

Career and Technical Education

A note on industry credentials and testing: specific courses have specific associated tests, but all CTE courses render students eligible to take the Workplace Readiness test. Specific industry credentials and associated examinations are listed [here](#) and may be perused at your convenience.

A note on co-curricular clubs: Enrollment in SHS CTE courses enables students to join associated co-curricular clubs. Joining these clubs is not a requirement but is encouraged because membership expands students' opportunities to explore and experience these areas of interest.

Here is a list of the relevant co-curricular clubs and their content areas:

- Future Business Leaders of America (FBLA): Business & Information Technology Education, Cybersecurity
- Future Community Career Leaders of America (FCCLA): Family & Consumer Sciences
- Future Farmers of America (FFA): Agricultural Education
- Health Occupations Students Association (HOSA)
- SkillsUSA (Cosmetology)

Students who are enrolled in a Career and Technical Education course who do not successfully complete the required competencies will not be awarded credit for the course and will be required to repeat the entire course in order to earn credit.

Agricultural Sciences-Career And Technical Education (CTE)

Agricultural Business Fundamentals I **SCED Code: 18201** **CTE Code: 18201** **Grade Level: 10th -12th** **Credit: 1**

Students will develop the necessary knowledge, skills, habits, and attitudes for employment in agricultural businesses. Emphasis is placed on personal financial management practices, consumer choices, financial records, business structures and procedures, and the economics of marketing agricultural products and services.

Prerequisite: N/A

Location: SHS

Agricultural Structural Systems **SCED Code: 18403** **CTE Code: 18403** **Grade Level: 10th -12th** **Credit: 1**

The course will provide students with knowledge and skills for building agricultural structures and systems. Instruction will focus on the surveying, design, construction, plumbing, masonry, and electrical aspects of building systems. 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: N/A

Location: SHS

Agricultural Power Systems SCED Code: 18402 CTE Code: 8018 Grade Level: 10th -12th Credit: 1

Agricultural Power Systems prepares students for careers in agricultural machinery service. Areas of focus include engines; powertrains; and hydraulic, electrical, and fuel systems. 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: Agricultural Structural Systems

Location: SHS

Agricultural Power Systems, Advanced SCED Code: 18402 CTE Code: 8020 Grade Level: 10th -12th Credit: 1

Students enrolled in this advanced course will gain hands-on experience in the operation, servicing, troubleshooting, and repair of agricultural equipment systems and components necessary for operating an agricultural business. 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: Agricultural Power Systems

Location: SHS

Foundations of Agriculture, Food and Natural Resources (Ag Sci I) SCED Code: 18001 CTE Code: 8006 Grade Level: 9th-11th Credit: 1

This course is designed to develop competencies in each of the career pathways as they pertain to agricultural education, including the areas of Virginia's agriculture industry; the global scope of agriculture; scientific research concepts in plant, animal, and food science; principles of leadership and opportunities within student organizations; agribusiness and Supervised Agricultural Experience Program opportunities; agricultural skills and safety in power, structural and technical systems; and natural resource conservation. After taking this course, students will choose a career pathway and begin studies in either the Agricultural Structural/Power Systems track or the Horticulture-Landscape Industry track.

Prerequisite: None

Location: SHS

Horticulture Science SCED Code: 18052 CTE Code: 8034 Grade Level: 9th-12th Credit: 1

This course provides students with the opportunity to develop the necessary knowledge, skills, habits, and attitudes for entry-level employment and advancement in areas such as floriculture, landscape design, greenhouse operations, nursery plant production, and turf management. They receive instruction propagating soil and growing horticultural plants. Instruction is provided in safety practices and leadership development.

Prerequisite: None

Location: SHS

Cybersecurity Operations SCED Code: 10302 CTE Code: 6304 Grade Level: 10th-12th Credit: 1

Cybersecurity Operations is designed to teach computer and network administration and security. Students learn cybersecurity concepts, including the practice of protecting systems, networks, and programs from digital attacks. Cybersecurity is defined as the steps and processes taken to protect networks, devices, programs, and data from unauthorized access that can result in theft or damage. Students learn to establish, implement, and maintain security networks. Recommended prerequisite(s): Keyboarding course(s) or teacher-approved demonstration and documentation of touch keyboarding skills and Cybersecurity Fundamentals.

Prerequisite: Cybersecurity Fundamentals

Location: SHS

Design/Multimedia and Web Technologies SCED Code: 10203 CTE Code: 6630 Grade Level: 9th -12th Credit: 1

Students apply creativity and technology to create visual design, multimedia projects, and web projects, using industry-standard software. Work-based learning experiences allow students to apply layout and design techniques in real-world situations. Students create portfolios that include a resume, certifications earned, and a variety of projects produced in the course.

Prerequisite: N/A

Location: SHS

Design/Multimedia and Web Technologies, Advanced SCED Code: 10203 CTE Code: 6630 Grade Level: 10th -12th Credit: 1

In this course, students acquire advanced skills in design, multimedia, and web development by applying project management principles to create professional quality digital media projects. Work-based learning experiences allow students to apply layout and design techniques in real-world situations. Students create portfolios that include a résumé, certifications earned, and a variety of print, multimedia, and website projects produced in the 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: Design/Multimedia and Web Technologies

Location: SHS

Digital Applications SCED Code: 12005 CTE Code: 6611 Level: 9th -12th Credit: 1

This course 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: Keyboarding course or teacher-approved demonstration and documentation of touch keyboarding skills

Location: SHS

Economics and Personal Finance SCED Code: 19262 CTE Code: 6120 Grade Level: 10th - 11th Credit: 1

This course focuses on economics and personal finance. It prepares students to function effectively as consumers, savers, investors, entrepreneurs, and active citizens. Students learn how economics and markets operate and how the United States economy is interconnected with the global economy. On a personal level, students learn that their own human capital (knowledge and skills) is their most valuable resource.

One standard unit of credit in Economics and Personal Finance is required for graduation with a Standard Diploma or an Advanced Studies Diploma. Students may earn this credit by successfully completing the course at any time during their high school career.

Prerequisite: N/A

Location: SHS

Entrepreneurship SCED Code: 12053 CTE Code: 9093 Grade Level: 9th - 12th Credit: 1

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 entrepreneurial venture, using design thinking and business model development. Students will learn about financial statements, marketing principles, sales and customer service, and basic economic principles for successful operation.

Prerequisite: None

Location: SHS

Office Administration SCED Code: 12003 CTE Code: 6621 Grade Level: 10th - 12th Credit: 1

Students develop and enhance skills in processing and managing information, data and financial functions while developing and improving communication skills and other vital competencies needed for successful employment as administrative support professionals. Students examine and employ the latest technology and software used in office systems. In addition, students study procedures involved with information processing, procurement, telecommunications, maintaining office systems, organizing and planning functions, supervising employees, and developing employability skills. 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: Digital Applications

Location: SHS

Family And Consumer Sciences- CTE

Introduction to Culinary Arts **SCED Code: 16051** **CTE Code: 8250** **Grade Level: 10th - 12th** **Credit: 1**

This course is designed to prepare students in the art of planning, arranging, preparing, and serving food and beverages at a variety of social functions, and in preparing and packaging food products. On-the-job training is provided on site in the Wigwam. Focus will include cake decorating, party trays and baking.

Formerly known as Basic Catering.

Prerequisite: N/A

Location: SHS

Culinary Arts I **SCED Code: 16052** **CTE Code: 8275** **Grade Level: 11th** **Credit: 2**

This course offers two credits over one year in the **Culinary Program**. Students are able to develop culinary skills to enable them to access entry level employment as a short order cook, caterer's helper, waiter/waitress, cafeteria or lunchroom worker, chef's helper, and other food related jobs. Students participate in on-the-job training in the Southampton High School Wigwam Restaurant under the supervision of the instructor. Required uniform consists of white aprons. This course will include baking, cake decorating, and social platters.

Prerequisite: N/A

Location: SHS

Culinary Arts II **SCED Code: 16052** **CTE Code: 8276** **Grade Level: 12th** **Credit: 2**

This course is the second part of a two credit program over one year in the **Culinary Program**. Students in this course would have completed Culinary Arts I. This course provides in-depth instruction in skills related to food preparation development of personal qualities for job success, and a working knowledge of employment opportunities. Students participate in on-the-job training in the Southampton High School Wigwam restaurant under the supervision of the instructor. Required uniform consists of white aprons. Emphasis is placed on acquisition of skills necessary for jobs as cook, food service supervisor, and cafeteria or lunchroom manager. Requires a uniform.

Prerequisite: Culinary I

Location: SHS

Independent Living **SCED Code: 19154** **CTE Code: 8219** **Grade Level: 10th -12th** **Credit: 1**

Students will explore successful strategies for living independently by actively participating in practical problem solving focusing on relating to others; applying financial literacy, managing resources in the areas of apparel, nutrition and wellness, and housing. The course also explores using leadership skills to reach individual goals, plan for careers and make consumer choices in a global environment.

Prerequisite: N/A

Location: SHS

Introduction to Early Childhood Education SCED Code: 19153 CTE Code: 8234 Grade Level: 10th -11th Credit: 1

This course allows students to focus on the principles of child growth and development; development of self-concepts and building self-esteem; appreciation of diversity; learning experiences for children; principles of guiding children in a positive manner; healthy and safe environments; career development; and careers related to early childhood professionals through hands-on exploration, projects and group learning. This course provides an excellent introduction for students who plan to pursue careers that involve working with children.

Prerequisite: *N/A*

Location: SHS

Jobs for Virginia Graduates SCED Code: 22151 Grade Level: 11th -12th Credit: 1

This course provides a tailored approach to building life, employability, and academic skills for students with multiple barriers to their success. This course is accessible only through consideration and selection by a committee of administrators, faculty, and counselors, in addition to the SHS JVG specialist. If you are interested, please contact your school counselor or the SHS JVG Specialist. More information about the program is also accessible at <https://jobsforvagrads.org/about-jvg/our-program/>.

Prerequisite: *Application/ Selection (See JVG Specialist)*

Location: SHS

Nutrition and Wellness SCED Code: 19253 Grade Level: 9th -12th Credit: 1

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. 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*

Location: SHS

Virginia Teachers for Tomorrow SCED Code: 19151 CTE Code: 19151 Grade Level: 10th -12th Credit: 1

Virginia Teachers for Tomorrow (VTfT) I fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in the education and training career cluster and related pathways. Students build a foundation for teaching; learn the history, structure, and governance of teaching; apply professional teaching techniques in

classroom and field experiences; and reflect on their teaching experiences. 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: N/A

Location: SHS

Health Services- CTE

Introduction to Health and Medical Sciences **SCED Code: 14001** **Grade Level: 9th-12th** **Credit: 1**

This course introduces the student to a variety of healthcare careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the U.S. healthcare system and to learn basic healthcare terminology, anatomy and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. Throughout the course, instruction emphasizes safety, cleanliness, asepsis, professionalism, accountability, and efficiency within the healthcare environment. Students also begin gaining job-seeking skills for entry into the health and medical sciences field. 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 **Location:** SHS

Nurse Aide I **SCED Code: 14051** **CTE Code: 8355** **Grade Level: 11th-12th** **Credit: 1**

This course is offered as an occupational preparation course beginning at the 11th grade level. In this course, emphasis is placed on the study of nursing occupations as they relate to the healthcare system. Students study normal growth and development, simple body structure and function, and medical terminology. They are introduced to concepts of infection prevention and disease processes. Students enrolled receive elementary skill training in patient-nurse aide relationships; measuring and recording of vital signs; cardiopulmonary resuscitation; and general care of the patient. Limited on-the-job instruction in nursing homes and other healthcare facilities is part of the course. This course can be used to prepare the student for Nurse Aide II so that all competencies for a certified nurse aid are met and as an introduction to careers in nursing, health professions, and STEM-H professions.

Prerequisite: N/A

Location: SHS

Nurse Aide II **SCED Code: 14051** **CTE Code: 8356** **Grade Level: 11th-12th** **Credit: 1**

This course is offered as a continuation for occupational preparation beginning at the 11th grade level. In this course, students continue advancing their learning in the Nurse's Aide preparation program. Successful completion of Nurse's Aide I is required as this course builds on prior knowledge.

Nurse Aide II emphasizes advanced skill training in areas such as catheter care, range of motion, bowel and bladder training, care of the dying, selected procedures for maternal and infant care, and admission and discharge procedures. Students learn diseases and body systems as related to advanced clinical care of the acute medical-surgical patient, the chronically ill, and the elderly. On-the-job instruction at a licensed nursing home is part of the course.

Upon completion of the Nurse's Aide Program, the student is eligible to take the nurse aide certification exam that leads to employment as a Certified Nurse's Aide in hospitals and nursing homes.

Total hours: 140

Prerequisite: Nurse's Aide I**Location: SHS****Medical Assistant I SCED Code: 14151****Grade Level: 11th****Credit: 1**

Students gain foundational knowledge in basic anatomy and physiology, medical ethics, medical asepsis, terminology, medical mathematics, and legal responsibilities. Students also develop basic skills and techniques to assist the healthcare provider and/or other medical professionals in patient examinations, basic emergency care, simple laboratory tests, and administrative duties. Additionally, students explore medical assisting career pathways through Health Occupations Student Association (HOSA) and potential on-the-job clinical instruction and/or observation in a healthcare facility. 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: Introduction to Health and Medical Sciences 8302***Location: SHS*****Medical Assistant II SCED Code: 14151****Grade Level: 12th****Credit: 1**

Students apply and implement medical-assisting skills and techniques learned in Medical Assistant I. They also learn management of health records; cardiopulmonary resuscitation; care and use of equipment; collection and analysis of laboratory specimens; special diagnostic testing related to basic diseases and disorders, treatment, and medication; and job preparedness skills. Advanced on-the-job clinical experience in a healthcare facility is a part of the course. Successful completion of the program may lead to employment in a healthcare setting and an industry credential. 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: Medical Assistant I***Location: SHS*****Practical
Nursing I****SCED Code: 14052****Course Code:
8357****Grades 11, 12****Credits: 1**

Duration: 18 weeks, 280 hours (Must be Double Blocked)

In the first semester of Practical Nursing, students will learn the fundamentals of nursing that include communication, human anatomy, body function, and nutrition, as related to patients/clients across the life cycle.

Prerequisite: None***Location: SHS***

Practical Nursing II	SCED Code: 14052	Course Code: 8358	Grades 11, 12	Credits: 1
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Duration: 18 weeks, 280 hours (Must be Double Blocked)

In the second semester of Practical Nursing, instruction will focus on basic nursing skills, medical asepsis, human development across the life cycle, and an introduction to pharmacology. Students will also apply basic nursing skills in interactive settings.

Prerequisite: Practical Nursing I ***Location: SHS***

Patient Care Technician	SCED Code: 14051	Course Code: 8303	Grade Level: 12th	Credits: 2
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This course is offered as an occupational preparation course in which students who successfully completed the Nurse's Aide preparation courses are able to enroll.

This course emphasizes the study of nursing occupations as related to the healthcare system. Students study normal growth and development, simple body structure and function, and medical terminology and are introduced to microbes and disease. Upon completion of this course, students will master skills performing ECGs, basic medical, lab and exam procedures, drawing blood, and providing basic patient care. Students will be eligible to take the National Certification exams to become a Certified Phlebotomy Technician, Certified EKG Technician, and Certified Patient Care Technician.

Total hours: 280

Prerequisite: Nurse's Aide II

Location: SHS

Technology And Engineering Education- CTE

Architectural Drawing and Design **SCED Code: 21103** **CTE Code: 8437** **Grade Level: 12th** **Credit: 1**

Students learn the principles of communicating architecture designs and increase their understanding of working drawings and construction techniques learned in Technical Drawing and Design. Experiences include residential and commercial building designs, rendering, model development, and structural detail developments. Students use computer-aided drawing and design (CADD) equipment and established standards or codes to prepare models for presentation. The course is especially beneficial to future architects, interior designers, or home builders.

Prerequisite: Basic Technical Drawing/Design

Location: SHS

Technical Drawing and Design **SCED Code: 21101** **CTE Code: 8435** **Grade Level: 10th -11th** **Credit: 1**

In this foundational course, students design, sketch, and make technical drawings, models, or prototypes of real design problems while learning the language of technical drawing and design. The course introduces the language of graphic communication to science, technology, engineering, and mathematics (STEM) students and is especially recommended for those planning a future in engineering and architecture.

Prerequisite: Algebra I

Location: SHS

Engineering Drawing and Design **SCED Code: 21106** **CTE Code: 8436** **Grade Level: 11th -12th** **Credit: 1**

Students use graphic language for product design, technical illustration, evaluation of designs, and engineering drawings. They increase their understanding of drawing techniques learned in Technical Drawing and Design (8435/8434) and Architectural Drawing and Design (8437/8492). 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 and to produce parts on a 3D printer.

Prerequisite: Technical Drawing and Design

Location: SHS

Technology of Robotic Design **SCED Code: 21009** **CTE Codes: 8421** **Grade Level: 9th -12th** **Credit: 1**

This course affords students introduction to study computers, computer applications, and microprocessors to manufacture, transport, and communicate with systems. Topics in this course will cover computer equipment, operating systems, robotics, programming, control systems, and social/cultural impact of robotic technologies. Students will engage in problem-solving activities, student led designs and creations, product design, programming, and interface devices with computer systems.

Students will engage in hands-on activities that include robotics, computer-aided manufacturing and design, and the control of electromechanical devices.

Prerequisite: N/A

Location: SHS

Trade And Industrial Education- CTE

Cosmetology I SCED Code: 19101 CTE Code: 8527 Grade Level: 10th Credit: 2

This is the first of three courses in a program series that spans three years and provides two (2) credits per year. In this course, students will learn the basics of personal development. Emphasis in the areas of sanitation and sterilization, shampoos and rise; hair and its composition, textures and styles, as well as, diseases of the skin, scalp, and hair.

There are fees associated with this program. Each student must purchase their own kit and appropriate protective gear, including a smock. **Fees may be up to \$150.00**

Prerequisite: N/A

Location: SHS

Cosmetology II SCED Code: 10101 CTE Code: 8528 Grade Level: 11th Credit: 2

This is the second of three courses in a program series that spans three years and provides two (2) credits per year. Students will expand their knowledge from *Cosmetology I*. In this course, emphasis will be placed on hair coloring, hair cutting, hair relaxing, cold waving, marcel waving, and croquignole curl.

There are fees associated with this program. Each student must purchase their own kit and appropriate protective gear, including a smock. **Fees maybe up to \$150.00**

Industry Credentialing: **Cosmetology State Board License** and ***Workplace Readiness***

Prerequisite: Cosmetology I

Location: SHS

Cosmetology III SCED Code: 19101 CTE Code: 8529 Grade Level: 12th Credit: 2

This is the third of three courses in a program series that spans three years and provides two (2) credits per year. Students will expand their knowledge from *Cosmetology II*. In this course, emphasis will be placed on hair cutting, removal of superfluous hair, nail care, specifically, manicuring, and pedicuring. Students will review Cosmetology I and II to prepare for the Cosmetology State Board exams.

Upon completion of Cosmetology I, II, and III, which totals 1500 hours of study, students will be eligible to sit for the State Board Examination to secure certification to open or work in a beauty salon.

There are fees associated with this program. Each student must purchase their own kit and appropriate protective gear, including a smock. **Fees maybe up to \$150.00**

Industry Credentialing: **Cosmetology State Board License** and ***Workplace Readiness***

Prerequisite: Cosmetology II

Location: SHS

Transportation, Distribution, and Logistics- CTE

Aerospace Technology I **SCED Code: 21055** **CTE Codes: 21055** **Grade Level: 10th -12th** **Credit: 1**

Aerospace Technology I offers an introduction to the aerospace industry through a hands-on approach and exploration of topics such as flight, space, and supporting technologies. Students explore the aviation and space industries by examining the history of aviation, aerodynamics and aircraft components, flight conditions, airport and flight operations, space systems, rocketry, and living and working in space. 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

Location: SHS

Unmanned Aircraft Systems (UAS) **SCED Code: 20905** **CTE Codes: 8910** **Grade Level: 10th -12th** **Credit: 1**

Unmanned Aircraft Systems prepares students to fly drones under the Federal Aviation Administration's (FAA) Part 107 guidelines. Students get an overview of the national airspace system, FAA regulations, and the design and operation of small drones. Students monitor weather, address loading and performance of drones, and coordinate flight operation logistics. They perform administrative tasks, train to fly, and, finally, fly small unmanned aircraft systems (sUAS).

Note: In order to teach the Unmanned Aircraft Systems course and supervise student flying experiences, the teacher must have the FAA Part 107 Remote Pilot Certificate. Students must be 16 to take the certification test and receive the FAA Part 107 Remote Pilot Certificate.

Prerequisite: None

Location: SHS

Dual Enrollment CTE Courses

Any classes taken outside the regular school sessions in the Fall or Spring are the financial responsibility of the students and parents, including summer classes, unless prior written consent is received from the school counselor or building administrator.

The General Studies Dual Enrollment Degree Program offers Southampton High School students the opportunity to earn both a high school diploma and an associate's degree at the conclusion of their senior year. Students would earn 61 hours of college credit by taking several dual credit courses throughout high school plus some summer classes. Students enrolled in this program must meet the criteria outlined under Dual Enrollment.

Early Childhood Education I DE SCED Code: 19153 CTE Code: 8285 Grade Level: 11th Credit: 2

This course offers two credits over one year in the Child Care Program. Students in this course develop skills and knowledge needed in working with young children through curriculum studies and on-the-job training in the Southampton High School Preschool Center. Employment skills and knowledge of child development principles are stressed while preparing students for childcare entry level jobs or for a background for students entering college to pursue careers working with children. This course fulfills the requirements for *CHD 120, CHD 145, CHD 205, and EDU 235 at CCC*. *There are tuition fees associated with this course which must be made to Southampton County Public Schools. For more information, contact your school counselor.*

Prerequisite: N/A

Location: SHS

Early Childhood Education II DE SCED Code: 19153 CTE Code: 8286 Grade Level: 12th Credit: 2

This course is the second part of a two credit program over one year in the Child Care Program. Students will continue to develop skills necessary to work with young children after high school and gain knowledge necessary to go on to college to pursue a career working with children. During this course, students plan and supervise activities in the Southampton High School Preschool Center which operates three mornings per week. This course fulfills the requirements for *CHD 118, CHD 146, SDV 100, CHD 210, SHD 216, and SHD 165, and EDU 235 at CCC*. *There are tuition fees associated with this course which must be made to Southampton County Public Schools. For more information, contact the school counselor.*

Prerequisite: Early Childhood Education I DE

Location: SHS

Forestry DE (Forestry Management) **SCED Code: 18502** **CTE Code: 18502** **Grade Level: 11th-12th** **Credit: 1**

This course provides instruction in the management of the forest as a resource and as a business. Students develop knowledge in tree physiology, forest ecology, silviculture, and the management and marketing of forest products. Strong emphasis is placed on developing career skills for the forestry industry. 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.

This course fulfills Forestry 105 at Mountain Gateway Community College.

Prerequisite: *N/A*

Location: *SHS*

Electricity I **SCED Code: 17102** **CTE Code: 8533** **Grade Level: 11th** **Credit: 1**

This course is an introductory course in electrical systems where students develop skills in the installation, operation maintenance, and repair of residential, commercial, and industrial electrical frameworks. Successful completion of Electricity I is required prior to enrollment in Electricity II. Students will study electrical theory, study the National Electrical Code Book, select and install conductors, and work with panel boards, switchboards, and generators.

This course fulfills Electricity 133: Practical Electricity at Camp Community College.

Prerequisite: *N/A*

Location: *Camp Community College*

Electricity II **SCED Code: 17102** **CTE Code: 8534** **Grade Level: 11th** **Credit: 1**

This course expands student knowledge and skills of electrical systems. Students will continue to develop skills in the installation operation, maintenance, and repair of residential, commercial, and industrial electrical systems. Successful completion of Electricity I is required prior to enrollment in Electricity II.

Students will study electrical theory and mathematical problems relating to electricity. Students will continue developing their knowledge of the National Electrical Code Book as well as, the selection and installation of conductors, examination of lighting, power systems, working with conduit and raceways, panel boards, switchboards, grounding systems, generators and communication.

This course fulfills Electricity 133: Practical Electricity at Camp Community College.

Prerequisite: *Electricity I*

Location: *Camp Community College*

Welding I/II **SCED Code: 13207** **CTE Code: 8672** **Grade Level: 12th** **Credit: 2**

This program introduces students to beginning welding with an introduction to the various types of processes, equipment and materials used in welding. Strict adherence to safety and compliance guidelines are followed at all times. Upon completion of this program, graduates possess the knowledge and skills required for entry level employment in the welding industry and for continuing to progress through other welding fields.

There are fees associated with this course which must be paid to Southampton County Public Schools. For more information, please contact the school counselor.

Prerequisite: *N/A*

Location: *Camp Community College*