DORCHESTER SCHOOL DISTRICT TWO
2025-2026 COURSE GUIDE

College & Career Ready

815 S. Main St. Summerville, South Carolina 29483

Phone: 843-873-2901 Fax: 843-821-3959

www.ddtwo.org

DORCHESTER SCHOOL DISTRICT TWO

MISSION

Dorchester School District Two leading the way, every student, every day through relationships, rigor, and relevance.

VISION

Dorchester School District Two desires to be recognized as a "World Class" school district, expecting each student to achieve at his/her optimum level in all areas, and providing all members of our district family with an environment that permits them to do their personal best.

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9800 Delemar Highway
Summerville, SC 29485
Phone: (843) 695-4900
Fax: (843) 695-4905
Brooke Matthews, Principal

https://www.ddtwo.org/ARHS

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8500 Patriot Blvd
North Charleston, SC 29420
Phone: (843) 760-4450
Fax: (843)760-4852
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1101 Boone Hill Rd
Summerville, SC 29483
Phone: (843) 873-6460
Fax: (843) 821-3989
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ENGLISH

To meet the South Carolina State High School graduation requirements, students must earn four (4) units in English. Completion of English 1, English 2, English 3, and English 4 will meet this criterion. Dorchester School District Two Board Policy requires students to take an English course each year of high school.

ENGLISH 1 CP **302400CW** **Unit: 1**

Grade: 9

This course will provide students with the comprehension and analytic strategies needed to interpret printed materials as well as a structured review of grammar and mechanics. Students will expand a working, generalized, subject-specific vocabulary. Students will use listening and speaking skills to communicate effectively and to learn and appreciate language. Students will write for different audiences and purposes and work to develop research skills.

FRESHMAN SEMINAR CP **309901CW** **Unit: 1**

English Elective Grade: 9

Must be taken in conjunction with English 1 CP

Students in need of extra support will be enrolled in Freshman Seminar in addition to the English 1 course. This course will help students to develop and expand literacy skills and strategies that will be covered on the English 1final exam. The course has a skills-based approach and was developed to help students be more prepared for English 2 and the SC English 2 End-Of-Course examination. **Course does <u>not</u> count as one of the four required English credit for graduation.*

ENGLISH 1 HONORS **302400HW** **Unit: 1**

Grades: 8-9

Prerequisite: Teacher Recommendation

English 1 Honors is a rigorous course designed for students who hope to develop Reading and Writing skills. Students enrolled in this course are expected to work on rigorous assignments independently. Units are designed around anchor texts, which rotate between literary, informational, and media pieces.

ENGLISH 2 CP **302500CW** **Unit: 1**

Grades: 9-10

Prerequisite: English 1

English 2 CP is an in-depth study of thematic units with an emphasis on skills necessary for college and career readiness. Units are designed around anchor texts, which rotate between literary, informational, and media pieces. Inquiry, communication, and writing skills are also integrated into each unit. All students enrolled in English 2 CP are required to take the SC End-Of-Course examination as the final exam in this course.

ENGLISH 2 HONORS **302500HW** **Unit: 1**

Grades: 9-10

Prerequisite: English 1 Honors or Teacher Recommendation

English 2 Honors is a rigorous course intended to develop students' comprehension and writing skills. The course offers a survey of literary, informational, and media pieces. Units are designed around anchor texts, which rotate between literary, informational, and media pieces. . Inquiry, communication, and writing skills are also integrated into each unit. All students enrolled in English 2 CP are required to take the SC End-Of-Course examination as the final exam in this course.

ADVANCED COMPOSITION HONORS **303000HW** **Unit: 1**

Grades: 10-12

The purpose of the Advanced Composition Course is to increase students' understanding and use of grammar, expose students to various types or writing, and offer explicit instruction of writing, editing, and revision, in

order to prepare students for Advanced Placement and International Baccalaureate courses

ENGLISH 3 CP **302600CW** **Unit: 1**
Grades: 10-12
Prerequisite: English 2
English 3 CP is an in-depth study of thematic units with an emphasis on skills necessary for college and career readiness. Units are designed around anchor texts, which rotate between literary, informational, and media pieces. Inquiry, communication, and writing skills are also integrated into each unit.

ENGLISH 3 HONORS **302600HW** **Unit: 1**
Grades: 10-11
Prerequisite: English 2 Honors or Teacher Recommendation
English 3 Honors is a rigorous course designed for students to develop comprehension and writing skills. The course focuses on preparing students for college and career readiness. Units are designed around anchor texts, which rotate between literary, informational, and media pieces.

ENGLISH 4 CP **302700CW** **Unit: 1**
Grades: 11-12
Prerequisite: English 3
English 4 CP is a course that provides students with an in-depth study of thematic units, emphasizing skills necessary for college and career readiness. Units are designed around anchor pieces, including literature, informational texts, and media.

ENGLISH 4 HONORS **302700HW** **Unit: 1**
Grades: 11-12
Prerequisite: English 3H or Teacher Recommendation
English 4 Honors is a rigorous course that provides students with an in-depth study of thematic units, emphasizing skills necessary for college and career readiness. Units are designed around anchor pieces, including literature, informational texts, and media. The course teaches students the skills needed to become stronger critical and analytical thinkers.

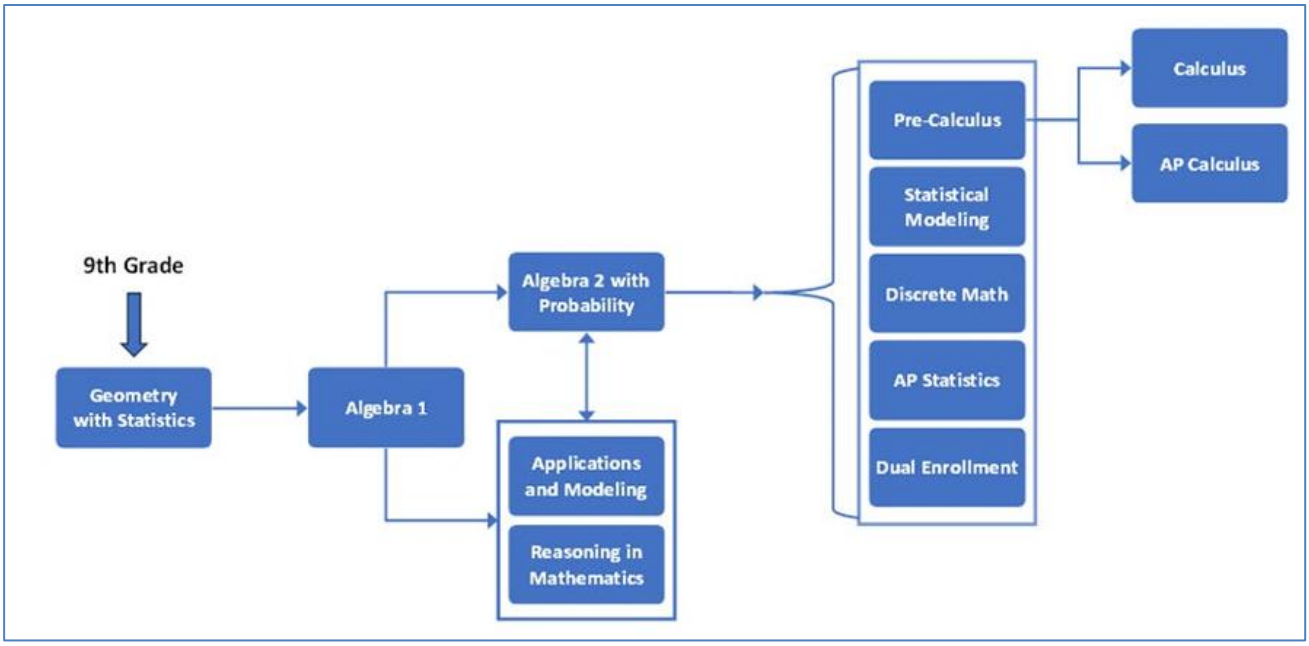
AP ENGLISH LANGUAGE AND COMPOSITION **307100AW** **Unit: 1**
Grades: 10-12
Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum; English 2 Honors is highly recommended.
This course provides students the opportunity to earn three hours of college credit while still in high school by demonstrating proficiency on the May exam. English Language and Composition AP engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. The intense concentration on language in this course should enhance students' ability to use grammatical conventions both appropriately and with sophistication, as well as to develop stylistic maturity in student writing. This is a college-level course and students should expect college-level assignments, workload, and grading. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP ENGLISH LITERATURE AND COMPOSITION **307001AW** **Unit: 1**
Grade: 11-12
Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum. English 3 Honors or AP English Language and Composition is highly recommended.
This course provides students the opportunity to earn three hours of college credit while still in high school by demonstrating proficiency on the May exam. English Literature and Composition AP engages students in the careful reading and critical analysis of imaginative literature, with a mix of American, British, and World

literature from a variety of eras. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure. Writing is also an integral part of the course because the AP exam is geared toward student writing and literature. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. This is a college-level course and students should expect college-level assignments, workload, and grading. Each student must take the Advanced Placement examination through the College Board for possible college credit.

MATHEMATICS

The 2025 SC College and Career Ready standards in math will be implemented in the 2025-2026 school year. The course choices and course progression have changed from previous years.



To meet the South Carolina State High School graduation requirements, students must earn four (4) units in Mathematics. Additionally, the Commission on Higher Education (CHE) established minimum course requirements for applicants to four-year programs in SC public colleges and universities. CHE requires three units in mathematics, including Geometry, Algebra 1, and Algebra 2. A fourth or fifth higher-level mathematics course beyond Algebra 2 is strongly recommended and may be required for some majors. The fourth course may be selected from Precalculus, Calculus, Statistical Modeling, and Discrete Math. Students are encouraged to pay special attention to recommended prerequisites as students may otherwise have more difficulty achieving a satisfactory grade. Students successfully earning credit in any of the Math core courses listed in the guide meet the state requirement. Dorchester School District Two Board Policy requires students to take a math course each year of high school.

GEOMETRY WITH STATISTICS CP **412200CW** **Unit: 1**

Grades: 9-11

Geometry with Statistics is the first of four required high school mathematics courses, offering a unified Grade 9 experience for all students entering high school-level math. Building on concepts introduced in middle school, the course emphasizes visual representations to develop mathematical understanding before transitioning to more abstract algebraic reasoning. Students deepen their knowledge of transformations, congruence, similarity, and coordinate geometry. Additionally, the course introduces key statistical concepts, equipping students with tools to analyze, interpret, and communicate data from real-world contexts.

GEOMETRY WITH STATISTICS HONORS **412200HW** **Unit: 1**

Grades: 8-11

Prerequisite: Teacher Recommendation

Geometry with Statistics Honors is a rigorous honors course that builds on middle school mathematics to provide a strong foundation in geometric reasoning and statistical analysis. Students explore transformations, congruence, similarity, and coordinate geometry through visual models and formal proofs, while reinforcing algebraic skills in geometric contexts. The course also introduces data analysis and interpretation using real-

world applications. Emphasis is placed on reasoning, problem-solving, and mathematical communication to prepare students for advanced high school mathematics.

ALGEBRA 1 CP **411400CW** **Unit: 1**

Grades: 9-11

Prerequisite: Geometry with Statistics

Algebra 1 introduces students to the foundational study of functions, focusing on linear, quadratic, exponential, and absolute value functions. Students explore relationships between variables, model real-world situations, and analyze change using multiple representations—including equations, graphs, and tables. The course emphasizes both explicit and recursive forms of functions, with skills in solving equations, manipulating expressions, and interpreting graphs. Students learn to apply algebraic properties to solve problems, convert between forms, and perform operations involving exponents and radicals. Graphing plays a key role, with an emphasis on identifying solutions, analyzing domain and range, and transforming functions through translations, reflections, and dilations. Algebra 1 also integrates statistical reasoning to help students interpret data and use models to make predictions. Students will take the South Carolina Algebra 1 End of Course examination as the final exam in this course.

ALGEBRA 1 HONORS **411400HW** **Unit: 1**

Grades: 9-11

Prerequisite: Geometry with Statistics and Teacher Recommendation

Algebra 1 Honors challenges students to think abstractly, reason logically, and communicate mathematically to prepare for advanced high school and college-level mathematics. This course explores a wide range of function types—linear, quadratic, exponential, and absolute value—using multiple representations such as equations, graphs, tables, and real-world models. Emphasis is placed on both explicit and recursive definitions of functions and the use of algebraic properties to analyze and solve increasingly complex problems. Students develop fluency in solving equations and inequalities, simplifying expressions, and performing operations involving exponents and radicals. A strong focus is placed on graphing and interpreting functions, analyzing domain and range, identifying key features, and applying transformations such as translations, reflections, and dilations. Honors Algebra 1 also incorporates statistical reasoning and data analysis, strengthening students' ability to draw conclusions and make predictions from data. Students will take the South Carolina Algebra 1 End of Course examination as the final exam in this course

APPLICATIONS AND MODELING CP **411900CW** **Unit: 1**

Grade: 10-12

Prerequisites: Geometry with Statistics and Algebra 1

Organized around data analysis, probability, measurement, numerical reasoning, and functions, the course emphasizes mathematical modeling, statistical reasoning, and financial literacy. Students apply math to everyday contexts—such as budgeting, interpreting statistical studies, and designing in three dimensions—using technology to compute, analyze, and explain results. The course supports practical decision-making and prepares students for both future coursework and real-life problem solving. *This is a new course for 25-26.*

REASONING IN MATHEMATICS CP **411800CW** **Unit: 1**

Grades: 10-12

Prerequisite: Geometry with Statistics and Algebra 1

This course emphasizes statistics, quantitative reasoning, modeling, and financial applications and features a variety of mathematical and statistical tools useful for decision making. Students will make sense of authentic problems and persevere in solving them. They will reason abstractly and quantitatively while communicating mathematics to others. Students will use appropriate tools, including technology, to model mathematics. Students will use structure and regularity of reasoning to describe mathematical situations and solve problems. *This is a new course for 25-26.*

ALGEBRA 2 WITH PROBABILITY CP **411200CW** **Unit: 1**

Grades: 9-12

Prerequisite: Geometry with Statistics and Algebra 1

Algebra 2 with Probability builds on concepts from Geometry and Algebra 1, deepening students' understanding of functions, rates of change, and real-world problem solving through graphical analysis. The course expands knowledge of parent functions and introduces complex numbers, matrices, and probability. Continuing the statistical reasoning introduced in Geometry, students explore how probability supports data analysis and informed decision-making in a data-driven world.

ALGEBRA 2 WITH PROBABILITY HONORS **411200HW** **Unit: 1**

Grades: 9-12

Prerequisite: Geometry with Statistics, Algebra 1, and Teacher Recommendation

Algebra 2 with Probability Honors is designed for advanced math students seeking the rigor of an honors-level program. Building on concepts from Geometry and Algebra 1, this course emphasizes graphical analysis of functions, exploration of rates of change, and solving real-world problems at a deeper conceptual level. In addition to expanding knowledge of parent functions, students will study complex numbers, matrices, and probability. The honors curriculum further extends these topics to include sequences and series, as well as extensive modeling and application of nonlinear functions—including exponential, radical, rational, polynomial, and logarithmic relationships.

STATISTICAL MODELING CP **412000CW** **Unit: 1**

Grades: 10-12 P

Prerequisites: Algebra 2

Statistical Modeling is designed to extend students' understanding of statistics. The SM course offers students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Students will formulate statistical investigative questions to be answered using data, design and implement a plan to collect the appropriate data, select appropriate graphical and numerical methods for data analysis, and interpret their results to make connections with the initial question. *This is a new course for 25-26.*

DISCRETE MATH CP **414200CW** **Unit: 1**

Grades: 10-12 P

Prerequisites: Algebra 2

Discrete Mathematics explores mathematical tools used in data analysis, computer science, and decision-making. Key topics include number theory, logic, recursion, matrices, graph theory, and statistical reasoning. Students apply these concepts to real-world contexts such as algorithms, voting systems, resource management, and economic modeling using graphing calculators and/or computer software. Emphasizing problem-solving and modern applications, this course prepares students for careers in STEM and data-driven fields. *This is a new course for 25-26.*

PRECALCULUS CP **413100CW** **Unit: 1**

Grades: 10-12 P

Prerequisites: Algebra 2

Precalculus continues the work in Geometry and Algebra 2 by examining the characteristics and behaviors of polynomial, rational, exponential, logarithmic, and trigonometric functions. Topics also include trigonometric identities and equations; extensions in conic sections and arithmetic and geometric sequences and series.

PRECALCULUS HONORS **413100HW** **Unit: 1**

Grades: 10-12

Prerequisites: Algebra 2, Geometry, and Teacher Recommendation

Precalculus Honors is designed for the advanced math student who wishes to continue in advanced placement

mathematics courses of Calculus AB and Calculus BC. Extended work in Geometry and Algebra 2 is integrated through application of concepts in logarithmic and trigonometric functions; equations and identities; polar coordinates; and extensions in arithmetic and geometric sequences and series.

CALCULUS HONORS **413500HW** **Unit: 1**

Grades: 11-12

Prerequisite: Pre-Calculus

Calculus Honors provides a review and extension of circular and trigonometric functions with an emphasis on limits, derivatives, and integrals. This course is highly recommended for students who are going to college and are interested in majoring in engineering, business, or science.

AP CALCULUS AB **417000AW** **Unit: 1**

Grades: 11-12

Prerequisite: Pre-Calculus; Open to all students willing to attempt the rigors of the prescribed curriculum

AP Calculus AB is an advanced placement course that provides students with the opportunity to pursue college credits while still in high school. It consists of a full high school academic year of work in calculus and related topics, comparable to courses in colleges and universities. AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Each student must take the Advanced Placement examination through The College Board for possible college credit.

AP CALCULUS BC **417200AW** **Unit 1**

Grades: 11-12

Prerequisite: Pre-Calculus; Open to all students willing to attempt the rigors of the prescribed curriculum

AP Calculus BC is an advanced placement course that provides students with the opportunity to pursue college credits while still in high school. It consists of a full high school academic year of work in calculus and related topics, comparable to courses in colleges and universities. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Each student must take the Advanced Placement examination through The College Board for possible college credit.

AP STATISTICS **417100AW** **Unit: 1**

Grades: 11-12

Prerequisites: Geometry, Algebra 2 and Teacher Recommendation; Open to all students willing to attempt the rigors of the prescribed curriculum

AP Statistics is an advanced placement course is designed for students who wish to earn college level work in statistics. It is designed to include topics on data analysis and probability. Students will be expected to conduct independent projects that will involve explorations into project design, data gathering and organization, data treatment, and statistical reporting of the findings. A project for each quarter will be selected to reflect the statistics being studied at that time. It is expected that at least one of these projects will be interdisciplinary in nature and involve other courses in which the student is enrolled. The course will also emphasize the use of technology in data analysis, both with calculators capable of statistical reporting and graphing, and with

relevant statistical software in a computer lab setting. Each student must take the Advanced Placement examination through the College Board for possible college credit.

SCIENCE

To meet the South Carolina State High School graduation requirements, students must earn three (3) units in science. In addition, students who plan to attend a four-year college may encounter additional requirements. Most colleges require students entering their institution to have earned three (3) units in a laboratory science. Two units must be taken in two different fields of the physical, earth, or life sciences and selected from among Biology, Chemistry, Physics, or Earth Science. Students may substitute one of these courses with a course in which the prerequisite is Earth Science, Biology, Chemistry or Physics to satisfy this requirement. It is strongly recommended that students desiring to pursue careers in science, mathematics, engineering, or technology take one course in all four fields: biology, chemistry, physics, and earth science. Please note, it is important to check with the college of your choice concerning science and other course requirements.

EARTH SCIENCE CP **326500CW** **Unit: 1**

Grades: 9-12

Earth Science is a laboratory science that provides students with a basic knowledge of the natural world that will serve as the foundation for more advanced secondary and postsecondary courses. It will provide students with science skills necessary for earth-science oriented technical careers. Units in this course include astronomy, the solid earth, the earth's atmosphere, the hydrosphere, and the paleobiosphere. There is a strong emphasis on the use and development of science process skills through labs, hands-on activities, and classroom demonstrations.

EARTH SCIENCE HONORS **326501HW** **Unit: 1**

Grades: 9

Earth Science Honors is designed to introduce the Earth sciences to the self-motivated student who have demonstrated excellent study skills and a strong interest in science. Students will investigate and study the interactions between the four major Earth's spheres in order to explain Earth's formation, processes, history, landscapes, how and why Earth changes over time. The course will also explore how current actions of man interact and affect Earth's spheres leading to local and global changes. Units in this course include astronomy, the solid earth, the earth's atmosphere, the hydrosphere, and the paleobiosphere. Students in the honors Earth science course should expect a higher level of rigor, cognition and quality of work than the standard course. They will become actively involved in classroom and laboratory learning experiences. They will also be involved in exploratory, experimental, and open-ended learning experiences with a faster paced, more in-depth study of material.

BIOLOGY CP **322100CW** **Unit: 1**

Grades: 9-12

Prerequisite: Earth Science

This course is an introductory laboratory science course designed to meet the SC Curriculum Standards in Science. Students will be introduced to the major units of biological science: inquiry, biochemistry, cells, the cell cycle, cellular energy, structure and function of DNA and RNA, heredity, evolution and ecology. Critical thinking and an appreciation for the nature of science will be developed through laboratory experiences. Students planning on enrolling in a four-year college should take this course. Students must pass this course in order to receive a state high school diploma. A state mandated end-of-course examination is required.

BIOLOGY HONORS **322100HW** **Unit: 1**

Grades: 9-10

Prerequisite: Earth Science Honors or teacher recommendation

This rigorous laboratory science course is for highly motivated students who have demonstrated excellent study skills and high aptitude in math or English. The course will address the major units of biology science (inquiry, biochemistry, cells, the cell cycle, cellular energy, structure and function of DNA and RNA, heredity, evolution, and ecology) in greater depth than Biology CP. The curriculum integrates writing skills, critical thinking skills,

and laboratory skills as they apply to the standards. In addition, this course will emphasize microscopy, calculating data, graphing, and essay exam questions. Students planning on enrolling in AP/IB Biology or AP/IB Chemistry should take this course. Students must pass this course in order to receive a state high school diploma. A state mandated end-of-course examination is required.

CHEMISTRY CP **323100CW** **Unit: 1**
Grade: 11-12
Prerequisite: Biology
It is recommended that this course be taken after completing Biology CP. This laboratory science course presents chemical theory, the structure and periodicity of the elements, classification of matter, types of bonding, gas laws, and other chemical concepts related to changes in matter. Laboratory experiments are conducted to demonstrate the basic concepts of the course. Students planning on enrolling in a four-year college are recommended to take this course.

CHEMISTRY HONORS **323100HW** **Unit: 1**
Grades: 10-12
Prerequisite: Biology Honors
This course is a rigorous, accelerated college preparatory laboratory science chemistry course for highly motivated students who have demonstrated excellent study skills and high aptitude in math. Chemistry topics covered are the same as Chemistry CP, but they are covered in much more theoretical depth and have more strenuous mathematical expectations. Much more independence will be expected of the students, both in homework and lab procedures. Students planning on enrolling in AP/IB Chemistry or AP/IB Biology should take this course.

ANATOMY AND PHYSIOLOGY CP **326300CW** **Unit: 1**
Grades: 11-12
Prerequisites: Biology AND Earth Science, Chemistry OR Physics
This course is designed for students who are interested in pursuing a career in a health-related profession such as nursing, physical therapy, medical technology, medical office practices, etc. It encompasses a survey of the body systems and their functions. Students are required to participate in all lab exercises, including dissections.

ASTRONOMY CP **325100CW** **Unit: 1**
Grades: 11-12
Prerequisites: Biology AND Earth Science, Chemistry OR Physics
Astronomy is a course which explores the universe around us. Topics include the scale of the universe, historical perspectives, stars (their lives and deaths), galaxies, solar system and space exploration, and life in the universe. This course is developed theory with projects, laboratory investigations, and other activities that supplement major topics.

FORENSIC SCIENCE CP **324500CW** **Unit: 1**
Grades: 11-12
Prerequisites: Earth Science OR Biology AND Chemistry
This course is for students who are interested in the forensic science aspects of chemistry. This course will briefly review chemistry topics using a forensic science perspective. Focus will be on analytic chemistry aspects of forensic science as it pertains to evidence collection, drug chemistry/toxicology, arson investigations, chemistry of explosions, estimating time of death, dirty bombs and nuclear terrorism, poisons, and identification of victims using fingerprint analysis. Biology related areas of study include microscopy, hair and fibers, serology, and DNA. This course uses laboratory-based activities and a hands-on approach to provide students the opportunity to investigate the application of science to law.

ENVIRONMENTAL SCIENCE CP **326102CW** **Unit: 1**

Grades: 9-12

Prerequisites: Earth Science AND Biology

This course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify environmental problems both natural and man-made, to identify risks associated with these problems, and to examine alternative solutions for resolving and preventing them. This course is an interdisciplinary course using a wide variety of topics from different areas of study that can serve as a third science credit.

MARINE SCIENCE CP **322500CW** **Unit: 1**

Grades: 11-12

Prerequisites: Biology AND Earth Science OR Chemistry

Marine Biology is a study of the marine environment and the organisms that live in it. Topics will include, but will not be limited to, the following: the origins of the oceans; the chemical, physical, and geological aspects of the marine environment; the ecology of various sea zones; marine communities; characteristics of major marine phyla/divisions; and the interrelationship between man and the ocean. Lab investigations, including dissections, are an integral part of this course

PHYSICS CP **324100CW** **Unit: 1**

Grades: 11-12

Prerequisite: Geometry

This laboratory science course is designed to help students appreciate the world around them, enabling them to obtain information from the world by direct measurement and by applying the Laws of Nature (Physics), and allowing them to perform experiments and draw independent conclusions consistent with their physical environment. This course helps the student think and analyze problems in the real world while preparing students for a four-year college or university. The first year Physics course will cover measurement, vectors, kinematics, statics, dynamics, momentum, work, power, energy, thermodynamics, and heat. The application of the theory will be tested with applied mathematics.

PHYSICS HONORS **324100HW** **Unit: 1**

Grades: 11-12

Prerequisite: Geometry

This laboratory science course is designed to help students appreciate the world around them, enabling them to obtain information from the world by direct measurement and by applying the Laws of Nature (Physics), and allowing them to perform experiments and draw independent conclusions consistent with their physical environment. This course helps the student think and analyze problems in the real world while preparing students for a four-year college or university. The first year Physics course will cover measurement, vectors, kinematics, statics, dynamics, momentum, work, power, energy, thermodynamics, and heat. The application of the theory will be tested with applied mathematics.

AP BIOLOGY **327200AW** **Unit: 1**
AP BIOLOGY LAB **327201HW** **Unit: 1**

Grades: 11-12

Prerequisite: Biology

Students who have been most successful have completed Honors Biology. This course covers two semesters of college freshman biology. College level labs are an integral part of the class. This course is designed for academically motivated students as it prepares them to take the Advanced Placement Examination in Biology in order to earn possible college credit as well as practicing for the rigors of a four-year college curriculum. Students enrolling in AP Biology are required to concurrently take the lab portion of the course for one unit, which is an integral part of the class. Each student must take the Advanced Placement examination through The College Board at the end of the course which will determine college credit earned.

AP CHEMISTRY **327300AW** **Unit: 1**
AP CHEMISTRY LAB **327301HW** **Unit: 1**
Grades: 11-12
Prerequisite: Biology
This course is a college course taught in high school. College level labs are an integral part of the class. This course is designed for academically motivated students as it prepares participants to take the Advanced Placement Examination in Chemistry and to prepare students for the rigors of a four-year college curriculum. Students enrolling in Chemistry AP are required to concurrently take the lab portion of the course for one credit. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP ENVIRONMENTAL SCIENCE **327700AW** **Unit: 1**
Grades: 10-12
Prerequisites: Biology, AND Chemistry OR Physics
This college level course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP PHYSICS 1 **328200AW** **Unit: 1**
Grades: 11-12
Prerequisite: Completion of Algebra II or concurrently enrolled, students should speak to the instructor if they are concurrently enrolled in Algebra II
AP Physics 1 is equivalent to the first semester of an introductory college level algebra- based physics course. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power, mechanical waves and sound. It will introduce electric circuits. The course is structured around seven foundational big ideas in Physics and seven foundational science practices. Twenty-five percent of instructional time will be devoted to laboratory investigations.
Emphasis is on integrating inquiry and conceptual reasoning.

AP PHYSICS 2 **328300AW** **Unit: 1**
Grades: 11-12
Prerequisite: Completion of AP Physics 1
AP Physics 2 is equivalent to the second semester college course in algebra-based physics. The course covers fluid statics and dynamics, thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; physical and geometric options, and topics in modern physics. The course is structured around seven foundational big ideas in Physics and seven foundational science practices. Twenty-five percent of instructional time will be devoted to laboratory investigations. Emphasis is on integrating inquiry and conceptual reasoning.

AP PHYSICS C: Mechanics **327500AW** **Unit: 1**
Grades: 11-12
Prerequisite: Completion of Algebra II or concurrently enrolled, students should speak to the instructor if they are concurrently enrolled in Algebra II
Mechanics is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

SOCIAL STUDIES CORE

To earn a high school diploma in the State of South Carolina, students must successfully complete the following courses in Social Studies: US History and the Constitution, Economics, and US Government. One additional credit unit in Social Studies is also required. The following sequence of study is strongly recommended for grades 9-12:

9th Grade – Human Geography
10th Grade – Modern World History
11th Grade – US History & the Constitution
12th Grade – Economics and Personal Finance (.5) and US Government (.5)

HUMAN GEOGRAPHY CP **330701CW** **Unit: 1**

Grade 9

In this college preparatory course, students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. Conceptual in nature rather than place specific, this course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography.

HUMAN GEOGRAPHY HONORS **330701HW** **Unit: 1**

Grade: 9

In this honors level course, students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth utilizing geographic inquiry skills. Skills used for geographic inquiry include map use, map construction, and examining geographic data to identify patterns to analyze the changing interconnections between people and places. These skills allow students to make connections systematically, rather than regionally, and to support project- or problem-based learning.

AP HUMAN GEOGRAPHY **337900AW** **Unit: 1**

Grade: 9

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum. It is highly recommended that students have at least a B average in middle school ELA.

This course emphasizes the importance of geography as a field of inquiry and emphasizes the study of diverse groups of people and areas organized around a set of concepts. These concepts can help students understand how human geography is related to the remainder of the field. The course introduces students to the importance of spatial organization, geographic concepts, spatial interaction, spatial behavior, patterns of culture, economic use of Earth, political organization of space, and human settlement patterns, particularly urbanization. Students will also learn how to use, make, and interpret maps. Each student must take the Advanced Placement examination through the College Board for possible college credit.

MODERN WORLD HISTORY CP **330601CW** **Unit: 1**

Grade: 10

Prerequisite: Strongly urged to have taken Human Geography

This college preparatory course is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is central to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

MODERN WORLD HISTORY HONORS **330601HW** **Unit: 1**

Grade: 10

Prerequisite: Strongly urged to have taken Human Geography
This course presents a comprehensive view of world history from 1300 to the present through an in-depth and analytical study of major events that will assist students in understanding how people and countries of the world have become increasingly interconnected. Students will discover how population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is central to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

AP WORLD HISTORY: MODERN **337700AW** **Unit: 1**
Grade: 10-12
Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum
This course is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology innovation. Students will take the national AP World History exam at the end of the course and have the opportunity to earn college credit from high scores.

AP EUROPEAN HISTORY **337600AW** **Unit: 1**
Grades: 10-12
Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum
This course provides students with the opportunity to pursue college credit while still in high school. The course emphasizes the chronological development of European politics and diplomacy from the Renaissance to the present and the social, economic, cultural and intellectual developments of the European people. The Advanced Placement European History program is designed for college-bound students who wish to prepare for the Advanced Placement Examination given in May by the College Examination Board. Those students who qualify may receive college credit in European History.

US HISTORY AND THE CONSTITUTION CP **332000CW** **Unit: 1**
Grade: 11
Prerequisite: Strongly urged to have taken World History
The focus of United States History and the Constitution is the story of the American people from the discovery and settlement of America by Europe to the present day a span that includes the early Native Americans, the establishment of various European colonies, the creation of the United States as a new nation during the American Revolution, the territorial expansion to the West, the American Civil War and Reconstruction, the industrialization and immigration of the late nineteenth century, and the nation's developing role in world affairs in the twentieth and twenty-first centuries. Through class activities and projects, this course will prepare the college-bound student for college courses with reading skills, study skills, technology skills and research skills. Students will take the SC end-of-course examination as the final exam in this course.

US HISTORY AND THE CONSTITUTION HONORS **332000HW** **Unit: 1**
Grade: 11
Recommended Prerequisite: At least a B in World History Honors or AP European History
The focus of United States History and the Constitution is the story of the American people from the discovery and settlement of America by Europe to the present day. Students examine primary and secondary sources as they analyze, synthesize, and evaluate information in order to construct sound historical interpretations with evidence. Emphasis is placed on the development of technology skills, research skills, and writing skills. Students will take the SC End-Of-Course examination as the final exam in this course.

AP US HISTORY **337200AW** **Unit: 1**

Grades: 11-12

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum

This course provides students with the opportunity to pursue college credit while still in high school and is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and development of American History. The course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full year introductory college courses. Emphasis is placed on analyzing historical data, synthesizing evidence, and evaluating the ideas of others as students develop the ability to express themselves with clarity and precision when writing essays. Each student must take the Advanced Placement examination through the College Board for possible college credit. Students will also take the SC End-Of-Course examination as the final exam in this course.

ECONOMICS AND PERSONAL FINANCE CP **330800CH** **Unit: ½**

Grade: 12

The goal of this course is to sharpen students' critical thinking and analytical skills in regard to the structure of the American economic system and financial literacy. The course will focus on economic principles with an emphasis on the efficient allocation of resources through the market forces of demand and supply. Students will study the principles of economics involving the production, consumption, and distribution of wealth in a market economy that is manipulated by governmental policies. In the area of financial literacy, students will also be asked to study banking and financial institutions, credit card and credit management, and stock and bond markets. Through class activities and projects, this course will prepare the college- bound student for college courses with reading skills, study skills, and technology skills.

ECONOMICS AND PERSONAL FINANCE HONORS **330800HH** **Unit: ½**

Grade: 12

Recommended Prerequisite: At least a B average in US History

The goal of this course is to sharpen student's critical thinking and analytical skills in regard to the structure of the American economic system and financial literacy. The course will focus on economic principles with an emphasis on the efficient allocation of resources through the market forces of demand and supply. Students will study the principles of economics involving the production, consumption, and distribution of wealth in a market economy that is manipulated by governmental policies. In the area of financial literacy, students will also be asked to study banking and financial institutions, credit card and credit management, and stock and bond markets. Importance is placed on the development of technology skills, research skills, and writing skills that highlights both primary and secondary sources.

MACROECONOMICS AP **337400AW** **Unit: 1**

Grade: 12

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum. Students are highly encouraged to have completed Algebra 2.

AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. An Advanced Placement examination with the College Board is taken in May for possible college credit.

MICROECONOMICS AP **337500AW** **Unit: 1**

Grade: 12

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum. Students are highly encouraged to have completed Algebra 2.

This college-level course is designed to give students a thorough understanding of the principles of economics

that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Students should demonstrate the ability to analyze economic situations set forth and evaluate general microeconomic principles. Independent research and outside reading are course requirements. Each student must take the Advanced Placement examination with the College Board for possible college credit.

US GOVERNMENT CP **333000CH** **Unit: ½**

Grade: 12

The focus of this course is to sharpen students' critical thinking and analytical skills with respect to the US Federal Government, SC State Government, and Local Government. The course will focus on the operation of major American institutions such as the presidency and the offices of the executive branch, the Supreme Court and lower courts, and the American Congress. Students will also study the functions of the bureaucracy, roles of political parties, actions of interest and advocacy groups, and the impact of mass media. The course will also discuss civil liberties, civil rights, civil responsibilities, and public policies. Through class activities and projects, this course will prepare the college-bound student for college courses with reading skills, study skills, technology skills and research skills.

US GOVERNMENT HONORS **333000HH** **Unit: ½**

Grade: 12

Recommended Prerequisite: At least a B average in US History

The focus of this course is to sharpen student's critical thinking and analytical skills with respect to the US Federal Government, SC State Government, and Local Government. The course will focus on the operation of major American institutions such as the presidency and the offices of the executive branch, the Supreme Court and lower courts, and the American Congress. Also students will study the functions of the bureaucracy, roles of political parties, actions of interest and advocacy groups, and the impact of mass media. The course will also discuss civil liberties, civil rights, civil responsibilities, and public policies. Comparisons are made between American government and other political systems. Students examine primary and secondary sources as they analyze, synthesize, and evaluate information. Emphasis is placed on the development of technology skills, research skills, and writing skills. An individual research-project is required.

AP US GOVERNMENT **337000AW** **Unit: 1**

Grades: 11-12

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum

This college-level course gives students a critical perspective in government and politics in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. Students should be familiar with the various institutions, groups, beliefs and ideas that make up the American political system. Independent research and outside reading are course requirements. Students develop analytic perspectives for interpreting, understanding, and explaining political events in this country. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AFRICAN AMERICAN STUDIES 1 CP **339900CW** **Unit: 1**

Grades: 10-12

The course serves as an introductory exploration into the historical, cultural, and social aspects of African American experiences in the United States. Spanning across multiple disciplines including literature, arts, and humanities, the course examines the significant contributions and diverse experiences of African Americans through key events, people, and movements. The course will support many standards in SC College and Career Ready courses for Human Geography, Modern World History, US History and the Constitution, US Government, and Economics and Personal Finance. **Course does not count as a Social Studies credit for graduation.*

AFRICAN AMERICAN STUDIES 1 H **339900CW** **Unit: 1**

Grades: 10-12

Drawing from the expertise and experience of college faculty and teachers across the country, the course is designed to offer high school students an evidence-based introduction to African American studies. The interdisciplinary course reaches into a variety of fields—literature, the arts and humanities, political science, geography, and science—to explore the vital contributions and experiences of African Americans. Students enrolled in this course may have the opportunity to take the AP African American Studies exam. **Course does not count as a Social Studies credit for graduation.*

INTOLERANCE AND THE HOLOCAUST CP **339905CH** **Unit: ½**

Grades: 9-12

This course will examine a number of issues related to the human tragedy of genocide that took over nine million innocent lives. Similar atrocities in Cambodia and Bosnia will also be studied. The major focus of the course will be to closely examine human behaviors that are associated with these tragic events. An underlying theme throughout the course will be the need to practice tolerance in order to avoid such tragedies in the future. **Course does not count as a Social Studies credit for graduation.*

LAW EDUCATION CP **333600CH** **Unit: ½**

Grades: 10-12

This course is designed to provide students with the ability to become constructive participants in our legal system by providing them with a greater sense of justice, tolerance and fairness. The role of our legal system is given through a look at criminal law, juvenile justice, torts, consumer law, family law, housing law, individual rights, and liberties. A $20 lab fee is required for this course.

LOWCOUNTRY HISTORY CP **339911CH** **Unit: ½**

Grades: 9-12

Lowcountry History is an overview course which investigates the geography and history of the surrounding Charleston, Berkeley, and Dorchester areas as they fit into the political, economic, and social fabric of United States history in general. This investigation is done through class lectures, guest speakers and class projects to enhance the knowledge of the Lowcountry and its place in history. **Course does not count as a Social Studies credit for graduation.*

MORALITY, ETHICS, AND RELIGION CP **339912CH** **Unit: ½**

Grades: 9-12

This course begins with a careful examination of a personal decision-making process that students can then use to deal with ethical issues. After establishing a solid foundation for dealing with moral ambiguity, the class examines how moral codes operate in modern society. Finally, students explore the moral, ethical, and spiritual contributions of major religions. It is important to note that class discussion, sharing points of view in a trusting and open setting, and a willingness to explore various methods of research are important components of the course. **Course does not count as a Social Studies credit for graduation.*

SOCIOLOGY CP **334500CH** **Unit: ½**

Grades: 9-12

This course introduces the concepts of culture, groups, personality, collective behavior, and the mass media. Group activities and role-playing are stressed. Concepts of sociology are applied in dealing with social problems such as civil rights, crime, poverty, and ecology.

PSYCHOLOGY CP **334000CH** **Unit: ½**

Grades: 11-12

This course is the science of behavior and mental processes will acquaint students with the basic psychological

theories and tools of analysis. Students are exposed to the psychological assumptions, principles, and phenomena associated with each of the major subfields within psychology. A set of process skills that revolve around the application of the scientific method to psychological questions are central to the study of psychology. The application of the scientific method in psychology, human growth and development, cognition and learning, personality, mental health, and behavioral disorders will be explored.

AP PSYCHOLOGY **437100AW** **Unit: 1**

Grades: 11-12

Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum

This course will introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Each student must take the AP examination through the College Board for possible college credit.

NON-CORE GENERAL ELECTIVES

AP SEMINAR **373000AW** **Unit: 1**

Grades: 10-12

AP seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. *Please note that a teacher from another content area may teach this course. The teacher may not actually be a teacher who is certified in the English content area. ***Course does not count as one of the four required English credit for graduation.*

AP RESEARCH **373100AW** **Unit: 1**

Grades 11-12

Prerequisite: AP Seminar

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year- long investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. ***Course does not count as one of the four required English credit for graduation.*

AFRICAN AMERICAN LITERATURE **309926CW** **Unit: 1**

Grades: 10-12

Prerequisite: Successful completion of English 2

This course will provide students with an overview of the African-American literary tradition and an appreciation for the significant contributions made by African-Americans in literature. Students in this course will engage closely with literary and cultural texts from various genres and eras so as to identify how African-American artists, authors, and playwrights make use of vernacular forms in their works. An interdisciplinary approach will employ a range of secondary sources, including African-American literary theory and to locate this rich body of literature within historical, political, and cultural contexts. Students will complete individual and group projects, readings and assignments with specific emphasis on developing and enhancing better reading, writing, technology, and analytical skills along with participating in extracurricular activities.

CREATIVE WRITING 1 CP **303200CW** **Unit: 1**

Grades: 10-12

Prerequisite: English 1

This course is designed for students who have an interest in writing poetry, short fiction, creative nonfiction and writing for stage and screen. Each of the four units will last approximately one quarter and will conclude with a major project. Students will produce original written pieces on a weekly basis and will collaborate with the teacher and with each other during the revising and editing process. Students are also encouraged to submit their work for publication.

EFFECTIVE LEADERSHIP 1 CP **339912CW** **Unit: 1**

Grades: 10-12

Prerequisite: Hold a leadership position in the school or community

A major goal of our education system should be to promote good citizenship and develop leadership skills among students who demonstrate an affinity for this field. This course will instruct the student on what it means to be an effective leader and the characteristics that go hand in hand with this field. Instruction will focus on teaching leadership skills and offering students realistic opportunities in which they can put these skills to work. Students will have the opportunity to meet with leaders in the school and community and be involved in the decision-making process. The class is designed and recommended for class officers, student body officers, student government members, club officers and other students interested in becoming leaders.

EFFECTIVE LEADERSHIP 2 CP **339913CW** **Unit: 1**
EFFECTIVE LEADERSHIP 3 CP **339943CW** **Unit: 1**
EFFECTIVE LEADERSHIP 4 CP **339944CW** **Unit: 1**
EFFECTIVE LEADERSHIP 5 CP **339945CW** **Unit: 1**
EFFECTIVE LEADERSHIP 6 CP **339946CW** **Unit: 1**

Grades: 10-12

Prerequisite: Effective Leadership 1

Leadership development is a responsibility of our schools. Students need to be involved in the school and community and hold positions of leadership. Many colleges and universities are looking for candidates who possess extensive leadership experiences in high school and/or the community. This course will be a continuation of Effective Leadership 1, where students will have the opportunity to apply skills learned in Effective Leadership 1 by meeting with leaders in the school and community and becoming more involved in the decision-making process. Instruction will focus on real-world applications of leadership skills, offering students realistic opportunities in which they can put these skills to work. Students will also develop leadership skills by addressing community needs through volunteer service. The class is designed and recommended for class officers, student body officers, student government members, link crew leaders, NHS members, club officers and other student's interested in becoming leaders.

MULTILINGUAL LEARNER PROGRAM 1-8 **Unit: 1**

1: 308422CW **5: 408700CW**
2: 408000CW **6: 408800CW**
3: 408100CW **7: 408900CW**
4: 408200CW **8: 409000CW**

Grade: 9-12

Prerequisites: Must meet eligibility for the ML Program.

This course is designed for ML identified students at all served, non-exited English Language Proficiency (ELP) levels. It will focus on supporting language development in the content standard areas of science, social studies, English, and math, as well as the social-instructional language necessary to effectively use language for instructional purposes.

HIGH SCHOOL 101 **379990CW** **Unit: 1**

Grade: 9

High School 101 will focus on providing new high school students (9th graders) with the skills necessary to be successful during high school as well as post-secondary pursuits. The course will address many of the challenges teens face, which prevent them from experiencing a smooth transition into the high school setting. Topics will include but are not limited to the following: goal setting, study skills, time management, academic planning, financial literacy, employability/soft skills, comprehensive health education, resume writing, and job interview skills. The course also includes instruction on state-mandated personal health topics. ***This is a mandatory course for all freshmen seeking diplomas in Dorchester School District Two.***

JOURNALISM 1 CP **305000CW** **Unit: 1**

Grades: 9-12

This is the first course for students who are going into either journalism or newspaper courses in the future. This course is designed to prepare students to enter a chosen journalism program—broadcast, newspaper, or yearbook. All students will learn journalism skills such as writing editorials, news and feature stories, interviewing, and more. Also, all students will learn technical skills such as working with software programs for photography, page layout, and video editing as well as learning photography/videography basics. In addition, each student will select an area of concentration so that he can fine-tune his skills for a given journalism course. For example, a student might choose a program of study that concentrates on broadcasting, learning all other areas, but emphasizing broadcasting. At the end of the course, each student will be required to complete a major project in his area of concentration. This course is designed to be a feeder course for the main journalism programs, providing them with skilled staff members and enabling these staffs to expand beyond their current level of production.

JOURNALISM/ANNUAL 2 CP **305100CW** **Unit: 1**

Grades 10-12

This is the second course for students who are in journalism or newspaper courses.

NEWSPAPER PRODUCTION **305300CW** **Unit: 1**
YEARBOOK PRODUCTION **305400CW** **Unit: 1**

Grades 11-12

During year 3 these students should decide if their third-year course will be a focus in Newspaper Production or Yearbook Production.

NEWSPAPER PRODUCTION 2 **305500CW** **Unit: 1**
YEARBOOK PRODUCTION 2 **305600CW** **Unit: 1**

Grade 12

During year 4 these students should take Newspaper Production 2 or Yearbook Production 2.

SPEECH/PUBLIC SPEAKING CP **304002CW** **Unit: 1**

Grades 10-12

This course is designed to help students think and speak coherently, confidence in front of other people, and to develop speaking and listening abilities. Other topics covered include speech composition, delivery, research techniques, oral interpretation, and special forms of speaking.

SPORTS IN SOCIETY CP **339931CH** **Unit ½**

Grades: 9-12

This course will be designed to provide students with a basis for understanding the sports industry and broader economic, political, religious, cultural, ethnic, and social systems that apply to the world of sports. Students will be encouraged to read about, watch, discuss and analyze current sports-related controversies and topics as a way to develop critical thinking, reading, and writing skills.

STUDENT VOLUNTEER **379901CW** **Unit: 1**
Grades: 11-12 **379901CH** **Unit: ½**

Prerequisites: Selection process; proof of insurance coverage

The student volunteer program provides students with an opportunity to become involved in the school community through volunteer work. Students will meet with the coordinating teacher at the beginning of the semester for classroom instruction. Students will volunteer during their Student Volunteer class period with a member of the faculty/staff on the school campus. Students must attend their assigned location daily and complete the volunteer service. Reports from the supervising faculty/staff member will be completed on a monthly basis. Students receive a course grade.

DE EXPERIENCING EDUCATION (Dual Enrollment) **373500EW** **Unit: 1**
TEACHER CADET PROGRAM
Grades: 11-12
Prerequisites: At least 3.0 GPR; Teacher recommendations; Interview; Selection Process
This is an orientation to the teaching profession. The course is designed to expose students of high-level academic achievement to the many facets of education through class discussions, observations, and interactions with teachers and students at all levels: pre-school through grade 12. The student receives three hours of college credit and one unit of high school credit. STUDENTS MAY NOT SIGN THEMSELVES UP FOR THIS COURSE. Please see your school counselor for an application packet.

DE EDUCATIONAL PSYCHOLOGY (Dual Enrollment) **881700EW** **Unit: 1**
TEACHER CADET PROGRAM
Grades: 11-12
Prerequisites: Teacher Cadet Program; teacher recommendation
This course focuses on the dynamics of human learning and the psychological principles that serve as the foundation for educational practice. The general goal is to introduce students to the field of educational psychology and apply the concepts, theoretical principles, and research findings from the discipline of psychology to the planning and implementation of effective instructional strategies in the classroom. Major emphasis is placed on assisting students in gaining a functional knowledge of the ideas explored. It operates under an agreement between the school site, the College Partner, and the Center for Educator Recruitment, Retention, & Advancement (CERRA) located in Rock Hill, South Carolina.

ENGLISH SUPPORT COURSES

ENGLISH LAB E **309900CW** **Unit: 1**
Grades: 9-10
This course will focus on college and career readiness standards. Students are identified and placed in the course by performance on standardized tests and performance in English 1. The intent of this course is to bridge the gap as students take on the rigors of English 2 and prepare for the English 2 SC End of Course exam.

FRESHMAN SEMINAR R/ENGLISH FOUNDATIONS 9R **309909CW/309919CW** **Unit: 1**
ENGLISH LAB R/ENGLISH FOUNDATIONS 10R **309910CW/309920CW** **Unit: 1**
ENGLISH ESSENTIALS R/ENGLISH FOUNDATIONS 11R **309925CW/309929CW** **Unit: 1**
LANGUAGE ARTS LAB R/ENGLISH FOUNDATIONS 12R **309937CW/309914CW** **Unit: 1**
Grades: 9-12
A comprehensive reading intervention program, READ 180, is utilized within this course. The course is actually taught as two courses, meaning the length of this course is two class periods. READ 180 combines research-based reading practices with the effective use of technology, offering students an opportunity to achieve reading success through a combination of instruction, modeled, and independent reading components.

MATH SUPPORT COURSES

MATH ASSISTANCE **410100CW** **Unit: 1**
MATH ESSENTIALS 1 **309900CW** **Unit: 1**
MATH ESSENTIALS 2 **319903CW** **Unit: 1**
MATH ESSENTIALS 3 **319926CW** **Unit: 1**
Grades: 9-12
The purpose of this course is to provide strategies for algebraic reasoning and problem solving in the real world. Emphasis on operation with fractions and integers to include integration of technology will be addressed. Students are identified and placed in this course by performance on standardized tests, universal screener, and performance in prior mathematics courses.

SPECIALIZED INSTRUCTION

Specialized Instruction is provided to students with Individual Education Plans (IEPs) in a variety of settings: consultation, learning labs, resource rooms, co-teaching classrooms (special education teacher co-teaching with general education teacher), and self- contained classes. Services are provided to students in accordance with their individual needs and their IEP requirements. Students must also meet the graduation requirements for a South Carolina High School Diploma.

Academic Seminar I-VIII **Unit: 1**

1: 491900CW **5: 495900CW**
2: 492900CW **6: 496900CW**
3: 493900CW **7: 497900CW**
4: 494900CW **8: 498900CW**

Grades: 9-12

IEP Goals for reading, math, written expression, and affective skills will be addressed through skill-based instruction, remedial instruction/reteaching in prerequisite skills, and reinforcement of higher-level skills necessary for success in mainstreamed classes if deemed appropriate by the IEP.

SOUTH CAROLINA HIGH SCHOOL CREDENTIAL

The uniform state-recognized SC High School Credential is aligned with the State's Profile of the South Carolina Graduate and to a newly created course of study for these students with disabilities whose Individualized Education Program (IEP) team determines this course of study is appropriate. The purpose of the SC High School Credential is to provide equitable job- readiness opportunities for these students throughout the state, ensure they have evidence of employability skills, and honor the work they have undertaken in our public schools. Students in this program will participate in SC End of Course Examination Program (EOCEP) by taking the end of course tests for Algebra 1, English 2, and Biology. ***The SC High School Credential is only applicable for students with an IEP and is NOT a high school diploma***.

ESSENTIALS OF ENGLISH I **3900000W** **Unit: 1**

Grades: 9-11

Essentials of English I emphasizes English Language Arts literacy concepts that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self-determination skills necessary for daily living and the world of work. The integrated model of literacy for this course will focus on inquiry, analysis and communication to explore literary, informational, and non-print text.

ESSENTIALS OF ENGLISH II **3910000W** **Unit: 1**

Grades: 9-11

Essentials of English II emphasizes English Language Arts literacy concepts that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self-determination skills necessary for daily living and the world of work. This course will focus on immersion of effective communication skills in both daily living and employment settings with the use of standard rules of convention and syntax to give and request information.

ESSENTIALS OF ENGLISH III **3920000W** **Unit: 1**

Grades: 9-11

Essentials of English III emphasizes the English 3 course of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self- determination skills necessary for daily living and the world of work. This course will focus on reading, written, and oral expression of information required in a variety of daily living and

employment settings.

ESSENTIALS OF ENGLISH IV **3930000W** **Unit: 1**

Grades: 9-11

Essentials of English IV emphasizes English Language Arts literacy concepts that are aligned to the South Carolina College-and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will provide an integrated model of literacy and self-determination skills necessary for daily living and the world of work. This course will focus on the integration of reading, written and oral expression through technology and research for daily living, employment, self-advocacy and social purposes.

ESSENTIALS OF MATH I **3901000W** **Unit: 1**

Grades: 9-11

Essentials of Math I emphasizes basic mathematical concepts needed to compute real world algebraic problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to make sense of problems and persevere in solving them as well as connect mathematical ideas and real-world situations through modeling. Students will use a variety of mathematical tools effectively and strategically.

ESSENTIALS OF MATH II **3911000W** **Unit: 1**

Grades: 9-11

Essentials of Math II emphasizes basic mathematical concepts needed to compute real world algebraic problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to identify and utilize structure and patterns as well as communicate mathematically and approach mathematical situations with precision utilizing mathematical tools effectively.

ESSENTIALS OF MATH III **3921000W** **Unit: 1**

Grades: 9-11

Essentials of Math III emphasizes the mathematical concepts needed to compute real world algebraic and geometric problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to identify and utilize structure and pattern as well as communicate mathematically and approach mathematical situations with precision utilizing mathematical tools effectively.

ESSENTIALS OF MATH IV **3931000W** **Unit: 1**

Grades: 9-11

Essentials of Math IV aligns with the CATE Course 5131, Personal Finance, and introduces students to the fundamentals of personal finance, which includes budgeting, obtaining credit, maintaining deposit accounts, understanding investments, understanding risk management, computing taxes, and analyzing the basic elements of finance.

ESSENTIALS OF SCIENCE I (Biology) **3902000W** **Unit: 1**

Grades: 9-11

Essentials of Science I emphasizes the Biology course of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to engage in problem solving, decision making, critical thinking, and applied learning to become scientifically literate and consumers of scientific information.

ESSENTIALS OF SCIENCE II (Physical Science) **3912000W** **Unit: 1**

Grades: 9-11

Essentials of Science II emphasizes the Physical Science course of study aligned to the South Carolina College and Career- Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to

engage in core concepts (patterns; cause and effect; scale, proportion, and quantity; systems and system models; energy and matter, structure and function; stability and change) to become scientifically literate and consumers of scientific information.

ESSENTIALS OF SCIENCE III (Earth and Space Science) 3922000W Unit: 1
Grades: 9-11
Essentials of Science III emphasizes the Earth Science course of study aligned to the South Carolina College and Career- Ready Standards and the Profile of the South Carolina Graduate. This course will allow students to engage in core concepts (Earth's Place in the Universe; Earth's Systems; Earth and Human Activity) to become scientifically literate and consumers of scientific information.

ESSENTIALS OF SOCIAL STUDIES I (U.S. History and the Constitution) 3903000W Unit: 1
Grades: 9-11
Essentials of Social Studies I emphasizes United States History and the Constitution course of study aligned to the South Carolina Standards and the Profile of the South Carolina Graduate. This course will provide a reward of literacy for the 21st century student. This course will allow students to engage in problem solving, decision making, critical thinking, and applied learning required in citizenship.

ESSENTIAL OF SOCIAL STUDIES II (U.S. Government and Geography) 3913000W Unit: 1
Grades: 9-11
Essentials of Social Studies II emphasizes the system of Government of the United States and understanding the nature and purpose of government. This course will further emphasize geography relating to map and global skills.

EMPLOYABILITY EDUCATION I – Career Awareness and Exploration 3908000W Unit: 1
Grades: 9-10
The Employability Education I course is designed for students to explore interests, research careers, create resumes, practice interview skills, and conduct informational interviews and job shadows. This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision- making skills, and self-management. Students will begin a career portfolio as part of the requirements for the South Carolina High School Credential. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of the employability education courses.

EMPLOYABILITY EDUCATION II – Advance Awareness and Exploration 3918000W Unit: 1
Grades: 9-10
The Employability Education II course is designed to develop skills common to all career majors; resource management, communication, interpersonal relationships, technology, stamina, endurance, safety, mobility skills, motor skills, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management, and self-management. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include school-based job shadowing and work-based learning activities. Job seeking skills also will be refined. Students may be involved in on-campus vocational training activities such as school-based enterprises, hands-on vocational training in career education courses and the operation of school-based enterprises. Additionally, the course will continue the focus on the development of self-determination skills as well as the career portfolio.

EMPLOYABILITY EDUCATION III– Career Development 3928000W Unit: 1
Grades: 11-12
The Employability Education III course is designed to continue the development and begin the application of

employability skills. Work-based learning activities are provided including school-based enterprises, community-based training, job shadowing, job sampling, internships, situational assessment and apprenticeships. These work-based activities allow students to apply employability skills to a variety of employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership and self-determination development are provided.

EMPLOYABILITY EDUCATION IV– Advanced Career Development 3938000W Unit: 1
Grades: 11-12
The Employability Education IV course gives students the opportunity to synthesize all the skills acquired in previous employability preparation courses and apply them to their personal career choice. This course allows students to solve work-related problems, practice self-advocacy skills and master the theoretical and practical aspects of their career choice. Students finish completing the 360 hours of work-based learning/training opportunities that are required for successful completion of the South Carolina High School Credential Course of Study. Students will complete the career portfolio that provides an educational and vocational record of their credential experience.

ESSENTIALS OF TECHNOLOGY 39M8030W Unit 1
Grades: 9-11
Essentials of Technology emphasizes the Computer Science course of study aligned to the South Carolina Computer Science High School Standards. This course of integrated content and process standards will enable students to develop world-class knowledge, skills, life, and career characteristics identified in the Profile of the South Carolina Graduate as a computer literate student. Note: Every student must have regular access to a computer to fulfill the requirements of this course.

SPECIALIZED INSTRUCTION IN EMPLOYMENT SKILLS

Specialized Work Lab
Grades 9-12
Self-Contained
Utilizing a research-based, functional skills curriculum, students will engage in a simulated work environment with specific practice in skills related to computer technology, construction/industrial, processing/production, consumer/service, business marketing **PAES**, and various school-based enterprises. Students will learn work-related problem-solving skills, proper work behavior through the development of soft skills, and an understanding of their own learning and training styles.

INTENSIVE LEARNING SUPPORT COURSES

The Intensive Learning Support programs follow a modified course of study for students with disabilities whose Individualized Education Program (IEP) team determines this course of study is appropriate. The purpose of the Intensive Learning Support programs is to allow students to work at their individual levels to become as independent as possible prior to exiting or aging out of school-based services. Students in this program will participate in SC End of Course Examination Program (EOCEP) by taking the end of course tests for Algebra 1, English 2, and Biology OR their Alternative forms as determined by their IEP Teams. ***The Intensive Learning Support Program are only applicable for students with an IEP and students do NOT earn a high school diploma***.

English I-VIII **Unit: 1**

1: 4910000W	**5: 4950000W**
2: 4920000W	**6: 4960000W**
3: 4930000W	**7: 4970000W**
4: 4940000W	**8: 4980000W**

Grades: 9-12+
English I-VIII emphasizes functional English Language Arts literacy concepts that are aligned to the South

Carolina College-and Career-Ready Standards and the Profile of the South Carolina Graduate. Students in these courses will follow a modified curriculum that aligns with their individualized IEP goals and objectives.

Mathematics I-VIII **Unit: 1**

1: 4911000W **5: 4951000W**
2: 4921000W **6: 4961000W**
3: 4931000W **7: 4971000W**
4: 4941000W **8: 4981000W**

Grades: 9-12+

Mathematics I-VIII emphasizes functional mathematical concepts needed to compute real world problems that are aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. Students in these courses will follow a modified curriculum that aligns with their individualized IEP goals and objectives.

Science I-VIII **Unit: 1**

1: 4912000W **5: 4952000W**
2: 4922000W **6: 4962000W**
3: 4932000W **7: 4972000W**
4: 4942000W **8: 4982000W**

Grades: 9-12+

Science I-VIII emphasizes basic concepts from within the Biology, Physical Science, and Earth and Space Science courses of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. Students in these courses will follow a modified curriculum that aligns with their individualized IEP goals and objectives.

Social Studies I-VIII **Unit: 1**

1: 4913000W **5: 4953000W**
2: 4923000W **6: 4963000W**
3: 4933000W **7: 4973000W**
4: 4943000W **8: 4983000W**

Grades: 9-12+

Social Studies I-VIII emphasizes basic concepts from within the American Government, US History, and Human Geography courses of study aligned to the South Carolina College and Career-Ready Standards and the Profile of the South Carolina Graduate. Students in these courses will follow a modified curriculum that aligns with their individualized IEP goals and objectives.

Employability Skills 1-8 **Unit: 1**

1: 59E1000W **5: 59E5000W**
2: 59E2000W **6: 59E6000W**
3: 59E3000W **7: 59E7000W**
4: 59E4000W **8: 59E8000W**

Grades: 9-12+

The Employability Skills 1-8 courses are designed for students to explore interests, research careers, create resumes, practice interview skills, and conduct informational interviews and job shadows. These courses are designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Formal career planning and development of knowledge regarding transition planning occurs throughout the strand of the employability skills courses and in accordance with their individualized IEPs.

Independent Living Skills 1-8 **Unit: 1**

1: 5919000W **5: 5959000W**
2: 5929000W **6: 5969000W**
3: 5939000W **7: 5979000W**
4: 5949000W **8: 5989000W**

Grades: 9-12+

The Independent Living Skills 1-8 courses are designed for students to increase their functional independence and self-care skills. These courses are designed to introduce students to the fundamental attitudes, behaviors, and habits needed to live independently. Students will participate in school-based learning activities related to meal planning and preparation, basic hygiene skills, financial planning, decision-making skills, and self-management. Formal transition planning related to independent living occurs throughout the strand of the employability skills courses and in accordance with their individualized IEPs.

FINE AND PERFORMING ARTS

The Dorchester School District Two Fine Arts Mission Statement acknowledges that "The creative, visual, and performing arts are a part of the core academic curriculum in Dorchester School District Two. Our standards-based fine arts curriculum provides knowledge and skills essential to every student's intellectual, social, emotional, physical, and cultural development." Our course offerings are planned to provide arts education to all students. Courses are available for the technical student, the college preparatory student, the professional career student, and the artistically talented. Students seeking a four-year degree will need one unit in the Fine or Performing Arts which includes appreciation of, history of, or performance in one of the fine arts. Honors 3 and Honors 4 are advanced upper-level courses.

VISUAL ARTS

ART 1 CP **350100CW** **Unit: 1**

Grades 9-12

Art 1 is an introductory course in which students study the elements of art, principles of design, and composition. This course exposes students to the appreciation of art and the characteristics of various tools and art making processes while investigating approaches to art criticism. Students may create works utilizing art media associated with drawing, painting, printmaking, or mixed media. The first half of this course consists of the principles, elements, and media associated with drawing and painting. The second half consists of studio work in the areas of drawing, painting and printmaking.

ART 2 CP **350200CW** **Unit: 1**

Grades 9-12

Art 2 is an intermediate course designed for the student who wishes to continue studies in two-dimensional artmaking. Students will explore in depth approaches to art media, tools, and critique. Students will investigate personal style and begin a portfolio of work utilizing art media associated with drawing, painting, printmaking, and mixed media.

ART 3 HONORS **350300HW** **Unit: 1**

Grades: 10-12

Prerequisites: Art 2 CP and portfolio review

Art 3 Honors is an advanced course designed for the dedicated student who wishes to continue studies in two-dimensional artmaking. Students will explore advanced approaches to art media, techniques, and processes. Students will develop personal style while building upon their current portfolio of work utilizing art media associated with drawing, painting, printmaking, and mixed media.

ART 4 HONORS **350400HW** **Unit: 1**

Grade: 11-12

Prerequisite: Art 3 Honors

Art 4 Honors is designed for the advanced art student who wishes to develop an individualized body of work while refining their two-dimensional portfolio for Advanced Placement art courses, college interviews, scholarships and/or the admissions process or future career placement in the arts. It is recommended that AP bound students complete this course of study.

ART 5 HONORS **359901HW** **Unit: 1**

Grade: 12

Prerequisite: Art 4 Honors

This course is for students who are interested in developing visual art skills beyond the high school level. Students in 2-D Art Honors 5 define their style and approach to drawing, painting and printmaking. Students will be expected to explore the history of art associated with 2D artwork.

ART 3-D DESIGN 1 CP **350500CW** **Unit: 1**

Grades 9-12

3D Design 1 is an introductory sculpture course in which students study the elements of art, principles of design, and composition as they relate to three-dimensional art making. This course exposes students to the appreciation of three-dimensional art and the characteristics of a variety of tools and art making processes while investigating various approaches to art criticism. Students will create works utilizing art media and tools associated with sculpture and ceramics.

ART 3-D DESIGN 2 CP **350600CW** **Unit: 1**

Grades 10-12

Prerequisite: Art 3- D Design 1

3D Design 2 is an intermediate class designed for the student who wishes to continue studies in three-dimensional artmaking. Students will explore in depth approaches to art media, tools, and critique. Students will investigate personal style and begin a portfolio of work utilizing art media associated with sculpture and ceramics.

ART 3-D DESIGN 3 HONORS **350700HW** **Unit: 1**

Grades: 11-12

Prerequisites: Art 3-D Design 2 and portfolio review

3D Design 3 is an advanced sculpture course designed for the dedicated student who wishes to continue studies in three-dimensional artmaking. Students will explore advanced approaches to art media, techniques, and processes. Students will develop personal style while building upon their current portfolio of work utilizing art media associated with sculpture and ceramics.

ART 3-D DESIGN 4 HONORS **350800HW** **Unit: 1**

Grade: 12

Prerequisites: Art 3- D Design Honors 3

3D Design 4 Honors is designed for the advanced art student who wishes to develop an individualized body of work while refining their three-dimensional portfolio for Advanced Placement art courses, college interviews, scholarships and/or the admissions process or future career placement in the arts. It is recommended that AP bound students complete this course of study.

ART 3-D DESIGN 5 HONORS **459903HW** **Unit: 1**

Grade: 12

Prerequisite: Art 3-D Design Honors 4

3D Design 5 Honors is for students who are interested in developing visual art skills beyond the high school level. Students define their style and approach to sculpture and ceramics. Students will be expected to explore the history of art associated with 3D artwork.

MEDIA ART 1 CP **351500CW** **Unit: 1**

Grades 9-12

Media Arts 1 is an introductory course in which students study the elements of art, principles of design, and composition in relation to digital media. This course exposes students to the appreciation for and exploration of various tools, programs, and art making processes as they relate to digital media and its application to the production of visual art. Students will create works utilizing digital media associated with drawing, illustration, and animation.

MEDIA ART 2 CP **351600CW** **Unit: 1**

Grades: 10-12

Prerequisite: Media Art 1 CP

Media Arts 2 is an intermediate course designed for the student who wishes to continue studies in digital media and its application to the production of visual art. Students will explore in depth approaches to digital media, processes, and critique. Students will investigate personal style and begin a portfolio of work utilizing digital media associated with the media arts.

MEDIA ART 3 HONORS **351700HW** **Unit: 1**

Grades: 11-12

Prerequisite: Media Art 2 CP

Media Arts 3 Honors is an advanced course designed for the dedicated student who wishes to continue studies in digital media and its application to the production of visual art. Students will explore advanced approaches to digital media, techniques, and processes. Students will develop personal style while building upon their current portfolio of work utilizing art media associated with the media arts.

MEDIA ART 4 HONORS **351800HW** **Unit: 1**

Grades: 12

Prerequisite: Media Art 3 Honors

The course will emphasize artistic thought and creative expression to achieve original solutions to design problems. Students will further develop their design skills with an emphasis on creating overall design images for organizations. Students will investigate the emotional responses to color, line, and shape. Cultural and historical aspects of design will be incorporated.

PHOTOGRAPHY 1 CP **456600CW** **Unit: 1**

Grade: 9-12

In this introductory photography class students will be exposed to composition, the elements of art, the principles of design and their relationship to the photographic process. Students will study the history of photography and its development as an art form. The course covers the basics of camera operation, image editing, and creating well composed photographs with a variety of equipment and photographic processes. **Please refer to the individual syllabus of your designated school for specific camera and supply requirements.*

PHOTOGRAPHY 2 CP **456700CW** **Unit: 1**

Grades: 10-12

Prerequisite: Photography 1

Photography 2 is an intermediate course designed for the student who wishes to continue studies in photography. Students will explore in depth approaches to technical and creative aspects of the camera, the photographic process, and post-production techniques. Students will be exposed to a variety of photographic techniques, investigate personal style, and begin building a portfolio of photographic work. **Please refer to the individual syllabus of your designated school for specific camera and supply requirements.*

PHOTOGRAPHY 3 HONORS **456800HW** **Unit: 1**

Grades: 11-12

Prerequisite: Photography 2

Photography Three Honors is an advanced course that focuses on the dedicated student who wishes to continue to explore photography and portfolio development. Major emphasis will be placed on improving camera and postproduction techniques along with developing one's own personal style. Some advanced topics which may be explored are experimental photographic techniques, image manipulation and editing, studio lighting techniques, lens choice, and tips for creating a strong photographic portfolio. **Please refer to the individual syllabus of your designated school for specific camera and supply requirements.*

PHOTOGRAPHY 4 HONORS **456900HW** **Unit: 1**

Grade: 12

Prerequisite: Photography 3 Honors

Photography Four is designed for the advanced student who wishes to develop an individualized body of work while refining their photographic portfolio for Advanced Placement art courses, college interviews, scholarships and/or the admissions process or future career placement in the arts. It is recommended that AP bound students complete this course of study. **Please refer to the individual syllabus of your designated school for specific camera and supply requirements.*

AP ART HISTORY **357100AW** **Unit: 1**
Grades: 11-12
Prerequisites: Any arts classes level 3 or higher
This course prepares the student for the Advanced Placement Art History test that covers world visual art from prehistoric to contemporary times. Students taking this course will be required to do extensive reading and writing. Each student must take the Advanced Placement examination through the College Board for possible college credit.

AP ART STUDIO (DRAWING) **357200AW** **Unit: 1**
Grades 10-12
Prerequisites: Two years of visual art and/or portfolio review
AP Art Studio Drawing prepares the student to submit a drawing portfolio to be assessed by the College Board for possible college credit.

AP ART STUDIO 2D DESIGN **357400AW** **Unit: 1**
Grade 10-12
Prerequisites: Two years of visual art and/or portfolio review
Art Studio AP 2D Design prepares the student to submit a drawing, painting and design portfolio to be assessed by the College Board for possible college credit.

AP ART STUDIO 3D DESIGN **357500AW** **Unit: 1**
Grades: 10 -12
Prerequisites: Two years of visual art and/or portfolio review
Art Studio AP 3D Design prepares the student to submit a portfolio illustrating their work in the area of sculpture and/or ceramics to be assessed by the College Board for possible college credit.

Performing Arts Courses

Students enrolled in the Performing Arts will be expected to attend scheduled rehearsals and performances beyond the school day.

MARCHING BAND
Membership in Summerville High Green Wave Marching Band, Fort Dorchester High Patriot Band, and Ashley Ridge High School Swamp Fox Marching Band is open to all instrumental music students. Marching band members must be enrolled in an instrumental class and are selected by audition. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

MARCHING BAND WITH PE CP **450818CW** **Unit: 1**
Grades: 9-12
This course is open to all students with middle school or previous experience. This course is designed to provide students with musical experiences with instruction in basic dance techniques, body carriage, timing, and coordination of equipment. ***This class will provide the SC required PE credit when combined with the Health curriculum in High School 101***.

BAND 1 CP **353100CW** **Unit: 1**

Grades: 9-12

Prerequisite: Middle School Band

Concert Band 1 is open to all students with middle school or previous playing experience. The course is designed for students to develop their skills in performance along with knowledge in the areas of music history, criticism, and band literature. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 2 CP **353200CW** **Unit: 1**

Grades: 10-12

Prerequisite: Band 1

Concert Band 2 presents a balanced study of performance literature to prepare the student for life-long music making. Students will develop their knowledge of music theory, history and criticism. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 3 CP **353300CW** **Unit: 1**

Grades: 11-12

Prerequisite: Band 2

Students will study and perform a variety of band literature of increasing difficulty. This course is designed to provide students with a well- rounded musical education. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 3 HONORS **353300HW** **Unit: 1**

Grades: 10-12

Prerequisites: Two instrumental music credits and teacher recommendation

This course develops independence in instrumental musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied instrumental literature. Music history is included of the student's major instrument. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 4 HONORS **353400HW** **Unit: 1**

Grade: 11-12

Prerequisite: Band Honors 3

Special Emphasis is placed on performance. The content includes, but is not limited to, independent interpretation of difficult instrumental music, development of independent musicianship, tone production and performance techniques. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 5 HONORS **353500HW** **Unit: 1**

Grade 12

Prerequisite: Band Honors 4

Honors 5 emphasizes the analysis of form, style, and history included in the performance of varied instrumental literature, formulation of critical listening skills and aesthetic values. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND 6 HONORS **353600HW** **Unit: 1**

BAND 7 HONORS **357800HW** **Unit: 1**

BAND 8 HONORS **357900HW** **Unit: 1**

BAND 9 HONORS **359905HW** **Unit: 1**

BAND/ COLORGUARD 1 CP **459902CW** **Unit: 1**

Grades: 9-12

This course will include instruction in basic dance and equipment performance techniques, and in the development of timing and coordination of equipment routines with music. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND/ COLORGUARD 2 CP **459903CW** **Unit: 1**

Grades: 10-12

Prerequisite: Band Flags/Color Guard 1

This course furthers the performance techniques of Band Flags/Color Guard 1 with more advanced routines and additional equipment. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

BAND/ COLORGUARD 3 CP **459904CW** **Unit: 1**

Grades: 11-12

Prerequisite: Band Flags/Color Guard 2

The focus of Color Guard 3 is on routines that are of competitive caliber. Students may participate in fall marching band and winter guard activities. Students will also be eligible to participate in those activities within the band program that are considered co- curricular. Some activities will occur outside of the regular class period.

BAND/ COLORGUARD 4 CP **459905CW** **Unit: 1**

Grade: 12

Prerequisite: Band Flags/Color Guard 3

Special emphasis is placed on a high level of performance with intricate ensemble work. Students participate in a number of competitive events. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

WOODWIND ENSEMBLE CP **454700CW** **Unit: 1**

Grades: 9-12

Prerequisite: Teacher Recommendation

Large and small wind ensemble groups will study and perform literature from a variety of periods and cultures. Emphasis will be on ensemble playing, style and interpretation. Students may be enrolled in another instrumental music class. Students enrolled in the Performing Arts will be expected to maintain a uniform and attend rehearsals and performances beyond the school day.

JAZZ BAND 1 CP **453100CW** **Unit: 1**

Grades: 9-12

Prerequisite: Teacher Recommendation

Students will be taught to perform musical styles associated with jazz, rock, Latin, and fusion music. The course will include historical components of each style. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

JAZZ BAND 2 CP **453200CW** **Unit 1**

Grades: 10-12

Prerequisite: Jazz Band 1and teacher recommendation

Music of greater variety and difficulty will continue the learning of Jazz Band 1. Improvisation will be an integral part of the course.

Students will also be eligible to participate in those activities within the band program that are considered co-

curricular. Some activities will occur outside of the regular class period.

JAZZ BAND 3 CP **453300CW** **Unit 1**
Grades: 11-12
Prerequisite: Jazz Band 2 and teacher recommendation
The development of a personal style and solo performance will enhance the student's ability as a jazz musician. Emphasis will be placed on advanced improvisation with a solo instrument. Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period.

JAZZ BAND 4 CP **453400CW** **Unit 1**
Grades: 12
Prerequisite: Jazz Band 3 and teacher recommendation
Personal style and musicianship along with ensemble playing is stressed in Jazz Band 4. Students will also be expected to compose original works. Students will also be eligible to participate in those activities within the band program that are considered co- curricular. Some activities will occur outside of the regular class period.

MUSIC APPRECIATION CP **356100CW** **Unit: 1**
Grades: 11-12
This course is designed for the college bound student as a survey of music history with emphasis on the role of music in world cultures. This course can be taken as preparation for college level humanities or as credit through Trident Technical College.

PERCUSSION ENSEMBLE 4 CP **459912CW** **Unit: 1**
Grade: 12
Prerequisite: Band 3 Honors
This is an advanced level course for the serious percussion player to perform solo and in groups. Students will study a variety of percussion literature and compose original works.

PIANO 1 CP **454100CW** **Unit: 1**
Grades: 9-12
This course focuses on piano technique and literature taught in a class setting while emphasizing individual development.

PIANO 2 CP **454200CW** **Unit: 1**
Grades: 10-12
Prerequisite: Piano 1
This course is a continuation of piano technique and literature with an added emphasis on music theory.

PIANO 3 HONORS **4543004HW** **Unit: 1**
Grades 10-12
Prerequisite: Piano 2
This course develops independence in musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied piano literature. The history of piano music is included.

PIANO 4 HONORS **454400HW** **Unit: 1**
Grades 11-12
Prerequisite: Piano Honors 3
Special emphasis is placed on performance. The content incudes, but is not limited to, independent interpretation of difficult piano music, development of independent musicianship, sound production and performance techniques.

PIANO 5 HONORS **953200HW** **Unit: 1**
Grade 12
Prerequisite: Piano Honors 4
Honors 5 emphasizes the analysis of form, style, and history included in the performance of varied piano literature, formulation of critical listening skills and aesthetic values.

STEEL DRUMS 1 CP **454800CW** **Unit: 1**
Grades: 9-12
Prerequisite: Middle school Steel Drums
This introductory course provides students with the opportunity to study and perform on a variety of percussion instruments non- Western music of Africa, Asia, South America, and the Caribbean.

STEEL DRUMS 2 CP **459921CW** **Unit: 1**
Grades: 10-12
Prerequisite: Steel Drums 1 CP
With the knowledge and skill learned in introductory World Percussion 1, emphasis is placed on further development of the steel band music of Trinidad, Taiko drumming of Japan, Djembe drumming of West Africa, and the samba drumming of Brazil.

STEEL DRUMS 3 HONORS **459926HW** **Unit: 1**
Grades: 11-12
Prerequisite: Steel Drums 2 CP
This course is based on developing performance skills with increasingly more difficult music. Students will participate in small and large ensemble groups as well as solo performances.

STEEL DRUMS 4 HONORS **459927HW** **Unit: 1**
Grades: 12
Prerequisite: Steel Drums 3 Honors
World Percussion 4 is for the serious student who wishes to develop world music knowledge and skills at a high level. In addition to high expectations for performance, the students will research world music origins and cultural attributes.

STEEL DRUMS 5 HONORS **459928HW** **Unit: 1**
Grades: 12
Prerequisite: Steel Drums 4 Honors
World Percussion 4 is for the serious student who wishes to develop world music knowledge and skills at a high level. In addition to high expectations for performance, the students will research world music origins and cultural attributes.

ORCHESTRA STRINGS 1 CP **355100CW** **Unit: 1**
Grades: 9-12
Prerequisite: Previous string experience or Middle School Band
This course emphasizes basic musicianship and performance techniques. Students will participate in small and large ensembles in which quality traditional and contemporary literature will be performed.

ORCHESTRA STRINGS 2 CP **355200CW** **Unit: 1**
Grades: 10-12
Prerequisite: Orchestra Strings 1
This course is a continuation of String Orchestra 1. Students will increase both their technical and musical development. Small ensemble participation is emphasized and students will expand their understanding of

orchestral literature.

ORCHESTRA STRINGS 3 HONORS **355300HW** **Unit: 1**
Grades: 10-12 Prerequisite: Orchestra Strings 2 and teacher recommendation
This course develops independence in musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied string literature. The history of string music is included.

ORCHESTRA STRINGS 4 HONORS **355400HW** **Unit: 1**
Grade: 11- 12
Prerequisite: Orchestra Strings3 Honors
Special emphasis is placed on performance. The content includes, but is not limited to, independent interpretation of difficult string music, development of independent musicianship, sound production and performance techniques.

ORCHESTRA STRINGS 5 HONORS **958000HW** **Unit: 1**
Grade 11-12
Prerequisite: Orchestra Strings 4 Honors
The honors courses develop independence in instrumental musicianship, performance techniques, and aesthetic awareness through rehearsal and performance of varied instrumental literature.

MUSIC APPRECIATION CP **356100CW** **Unit: 1**
Grades: 11-12
This course is designed for the college bound student as a survey of music history with emphasis on the role of music in world cultures. This course can be taken as preparation for college level humanities or as credit through Trident Technical College.

AP MUSIC THEORY **357600AW** **Unit: 1**
Grades: 11-12
Prerequisite: Open to all students who are willing to accept the rigor of the prescribed curriculum
This is an advanced course for the serious musician in music theory and composition. Students will be required to do independent research and to work with computer technology.

CHORUS 1 CP **354100CW** **Unit: 1**
Grades: 9-12
This is an introductory course in the basic elements of choral music history, criticism, performance, and the role of music in society. Performance elements of study will include pitch, duration, dynamics, and part singing.

CHORUS 2 CP **354200CW** **Unit: 1**
Grades: 10-12
Prerequisite: Chorus 1
This course is further development of the singer's art. The student will continue to study music history, criticism, theory and the principles of group performance. Instruction is based on the four components of the South Carolina Standards for the Arts.

CHORUS 3 HONORS **354300HW** **Unit: 1**
Grades: 10-12
Prerequisites: Chorus 2 and teacher recommendation
This course develops independence in vocal musicianship, performance techniques, and aesthetic awareness through the rehearsal and performance of varied choral literature.

CHORUS 4 HONORS **354400HW** **Unit: 1**
Grade: 11-12
Prerequisite: Chorus 3 Honors
Special emphasis is placed on performance. The content included, but is not limited to, independent interpretation of difficult choral music, development of independent musicianship, tone production and performance techniques.

CHORUS 5 HONORS **354500HW** **Unit: 1**
Grade: 12 Prerequisite: Chorus 4 Honors
This course is the analysis of form, style, and history included in the performance of voiced choral literature, formulation of critical listening skills and aesthetic values necessary for the semi-professional singer.

DANCE 1 CP **450101CW** **Unit: 1**
Grades: 9-12
This course provides an introduction to basic ballet, modern, and jazz techniques. Students will explore physical aspects of technique, composition concepts, dance criticism and performance. Previous dance experience is not required.

DANCE 2 CP **450202CW** **Unit: 1**
Grades: 10-12
Prerequisite: Dance 1
This course is a continuation of dance education beyond the beginning level. Students will continue training in the techniques of ballet, modern, and jazz with the addition of dance theatre styles. Composition, improvisation, dance history, dance criticism, and performance are strong parts of the curriculum.

DANCE 3 HONORS **450300HW** **Unit: 1**
Grades: 10-12
Prerequisites: Dance 2 and teacher recommendation
The Dance Honors program is for serious students at an advanced pre-professional level. The students will explore the areas of ballet, interpretive dance, and choreography.

DANCE 4 HONORS **450401HW** **Unit: 1**
Grade: 11-12
Prerequisite: Dance 3 Honors
In addition to the continuation of technical and composite work in the classroom, the student will develop leadership skills associated with producing a group performance.

DANCE 5 HONORS **958500HW** **Unit: 1**
Grade: 12
Prerequisite: Dance 4 Honors
The Honors 5 program is designed so that students work independently and with instructor guidance to focus on choreography and or performance in order to prepare for future work in dance.

MUSICAL THEATRE 1 CP **459941CW** **Unit 1**
MUSICAL THEATRE 2 CP **459942CW** **Unit 1**
MUSICAL THEATRE 3 CP **459943CW** **Unit 1**
MUSICAL THEATRE 4 CP **459944CW** **Unit 1**
Grades: 10-12
Prerequisite: Theatre Arts 1, Chorus 1
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on musical theatre history, literature and methods of performance. Students will have the opportunity to perform

for live audiences and scenes for competitions.

THEATRE 1 CP **452100CW** **Unit: 1**
Grades: 9-12
This course will focus on theatre conventions and history, dramatic literature, pantomime, voice and diction, improvisation, fundamentals of acting and introduction to theatre design. Students will frequently perform in front of peers.

THEATRE 2 CP **452200CW** **Unit: 1**
Grades: 10-12
Prerequisite: Theatre 1
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on methods of acting, styles of theatre, and script writing. Students will have the opportunity to perform for live audiences and competitions.

THEATRE 3 HONORS **452300HW** **Unit: 1**
Grades: 10-12
Prerequisites: Theatre 2 and teacher recommendation
The Arts Honors 3 is the beginning of study for the student who is serious about high performance in theatre arts. The areas of study will include acting, producing, directing, and technical theatre.

THEATRE 4 HONORS **452400HW** **Unit: 1**
Grade: 11- 12
Prerequisite: Theatre 3 Honors
In Honors 4 Theatre Arts the student participates primarily in independent study projects along with research in the history and cultural aspects of theatre and theatre design.

THEATRE 5 HONORS **459969HW** **Unit: 1**
Grade: 12
Prerequisite: Theatre 4 Honors
These courses continue the skills and knowledge developed in previous courses. Emphasis will be placed on independent study at a semi- professional level based on student's personal goals for theatre beyond high school. Students are expected to write, direct and perform for live audiences and competitions.

THEATRE DESIGN 1 CP **459916CW** **Unit: 1**
Grades: 10-12
Prerequisites: Theatre 1 CP, Media Art CP
Students will learn basic aspects of technical theatre. The course will cover the areas of theatre lighting, scene design, costuming, and sound engineering.

THEATRE DESIGN 2 CP **459917CW** **Unit: 1**
Grades: 11-12
Prerequisite: Theatre Design 1 CP
Theatre Design 2 is a course in practical application of the areas associated with technical theatre.

THEATRE DESIGN 3 CP **459918CW** **Unit: 1**
Grade: 12
Prerequisite: Theatre Design 2 CP
This course continues the skills and knowledge developed in previous courses. Emphasis will be placed on non-performance areas of script analysis and production of set, costumes, props, lighting, sound, hair and make-up. Students are expected to run crew for live audiences and competitions.

WORLD LANGUAGES

World language courses are designed to develop skills in the interpretive, interpersonal and presentational modes of communication and to foster an appreciation and understanding of world cultures. The world language enrollment policy allows every student the opportunity to study at least one modern or classical language. Minimal success in one level of world language does not guarantee success in the next level. It is recommended that students have a final average of a "77" or better to progress to the next level. Students planning to attend a four-year college are encouraged to have at least two years of the same world language.

FRENCH 1 CP **361100CW** **Unit: 1**

Grades: 8-12

Prerequisite: English 1 is highly recommended

This course is an introduction to the French language and culture. It is designed to enable students to meet requirements for proficiency in reading, writing, listening and speaking. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. These activities will emphasize the products, practices and perspectives of the target culture. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication.

FRENCH 2 CP **361200CW** **Unit: 1**

Grades: 9-12

Prerequisite: French 1 CP

This course expands the foundation of French 1, exposing students to more cultural situations and intermediate interpretive, interpersonal and presentational tasks. Francophone countries and cultures will continue to be explored. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication. This class will be increasingly conducted in French.

FRENCH 3 HONORS **361301HW** **Unit: 1**

Grades: 10-12

Prerequisite: French 2 CP

This course is designed for advanced students who have excelled in French. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of prescribed themes and topics. Students will also explore a range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of French. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

FRENCH 4 HONORS **361400HW** **Unit: 1**

Grades: 11-12

Prerequisite: French 3 Honors

This course is designed to provide advanced students with authentic language experiences as they use French to explore a variety of cultural topics and contemporary issues. The study of grammar and literary selections will be included as vehicles for improving communicative competency. Many facets of life in francophone countries are discussed, comparing present day life and that of the recent past. Movies, novels and the internet are used as springboards for discussions. Daily oral communication is an essential part of this class. Topics for communication, comprehension and composition include social and cultural themes.

FRENCH 5 HONORS **361500HW** **Unit: 1**

Grade: 12

Prerequisite: French 4 Honors

This is an advanced course in which all grammar elements will be reviewed and students' proficiency will be expanded through a variety of written and oral activities. Students will study selected literary works and be able to discuss them in terms of style, theme, and content.

GERMAN 1 CP **362100CW** **Unit: 1**

Grades: 9-12

Prerequisite: English 1 is highly recommended

This course is an introduction to the German language and culture. It is designed to enable students to meet requirements for proficiency in reading, writing, listening and speaking. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. These activities will emphasize the products, practices and perspectives of the target culture. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication.

GERMAN 2 CP **362200CW** **Unit: 1**

Grades: 10-12

Prerequisite: German 1CP

This course expands the foundation of German 1, exposing students to more cultural situations and intermediate interpretive, interpersonal and presentational tasks. German-speaking countries and customs will continue to be explored. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication. This class will be increasingly conducted in German.

GERMAN 3 HONORS **362301HW** **Unit: 1**

Grades: 10-12

Prerequisite: German 2CP

This course is designed for advanced students who have excelled in German. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of themes and topics. Students will also explore a range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of German. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

GERMAN 4 HONORS **362400HW** **Unit: 1**

Grades: 11-12

Prerequisite: German 3 Honors

This course is designed to provide advanced students with authentic language experiences as they use German to explore a variety of cultural topics and contemporary issues. The study of grammar and literary selections will be included as vehicles for improving communicative competency. Many facets of life in German-speaking countries are discussed, comparing present day life and that of the recent past. Movies, novels and the internet are used as springboards for discussions. Daily oral communication is an essential part of this class. Topics for communication, comprehension and composition include social and cultural themes.

LATIN 1 CP **363100CW** **Unit: 1**

Grades: 9-12

Prerequisite: English 1 is highly recommended

This course is an introduction to the Latin language. Provisions will be made for learning the syntax and

structure of a language that is the base of modern French, Spanish, and Italian. Students will integrate Latin vocabulary with English derivatives to increase word power. Learning elements of Roman culture will develop an awareness of its effect on western civilization.

LATIN 2 CP **363200CW** **Unit: 1**
Grades: 10-12
Prerequisite: Latin 1 CP
This course continues to build and expand on the foundation of vocabulary and language skills developed in Latin 1. Students will be able to use tools acquired in Latin 1 to comprehend the meaning of passages adapted from Latin literature.

LATIN 3 HONORS **363301HW** **Unit: 1**
Grades: 10-12
Prerequisite: Latin 2 CP
This course is designed for advanced students who have excelled in Latin. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of prescribed texts and at the same time appreciate the range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of Latin. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

LATIN 4 HONORS **363400HW** **Unit: 1**
Grades: 11-12
Prerequisites: Latin 3 Honors
Latin 4 Honors is an intensive grammar review designed to assist students to prepare for college placement exams. Written tests will focus on the correct use of grammar and structure using the content of translations. Emphasis will be given to literary devices used in Latin poetry and prose.

SPANISH 1 CP **365100CW** **Unit: 1**
Grades: 8-12
Prerequisite: English 1 is highly recommended
This course is an introduction to the Spanish language and culture. It is designed to enable students to meet the requirements for proficiency in reading, writing, listening and speaking. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. These activities will emphasize the products, practices and perspectives of the target culture. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication.

SPANISH 2 CP **365200CW** **Unit: 1**
Grades: 9-12
Prerequisite: Spanish 1 CP
This course expands the foundation of Spanish 1, exposing students to more cultural situations and intermediate interpretive, interpersonal and presentational tasks. Spanish-speaking countries and cultures will continue to be explored. The ability to process new information, to be flexible in new situations, to solve real world tasks, and to develop self-efficacy will be developed through a variety of classroom activities. Oral and written communication in this class is essential and students will be evaluated through the integration of interpretive, interpersonal and presentational modes of communication. This class will be increasingly conducted in Spanish.

SPANISH 3 HONORS **365301HW** **Unit: 1**

Grades: 10-12

Prerequisite: Spanish 2 CP

This course is designed for advanced students who have excelled in Spanish. It gives students the opportunity to reach a high level of competency in a second language through the study of a number of themes and topics. Students will also explore a range of issues generated by the study of a language and its culture. Students perform oral and written assessments to demonstrate their understanding of Spanish. Daily oral communication is an essential part of the course. Topics for communication, comprehension and composition include social and cultural themes.

SPANISH 4 HONORS **365400HW** **Unit: 1**

Grades: 11-12

Prerequisite: Spanish 3 Honors

Spanish 4 Honors is designed to provide advanced students with authentic language experiences as they use Spanish to explore a variety of cultural topics and contemporary social issues. The study of grammar and literary selections will be included as vehicles for improving communicative competency. Many facets of life in Spanish-speaking countries are discussed, comparing present day life and that of the recent past. Movies, novels and the internet are used as springboards for discussions. Daily oral communication is an essential part of the class. Topics for communication, comprehension and composition include social and cultural themes.

SPANISH 5 HONORS **365500HW** **Unit: 1**

Grade: 12

Prerequisite: Spanish 4 Honors

This course expands students' proficiency in Spanish as they use the language to further their knowledge of other cultures and other disciplines. Supplementary materials will include pertinent selections from the Internet and literary collections.

Comprehension and composition include social and cultural themes.

AP SPANISH LANGUAGE **3675000AW** **Unit: 1**

Grades: 11 -12

Prerequisite: Spanish 4 Honors is highly recommended.

The course is intended to develop proficiency in the five goal areas outlined in the standards for Foreign Language Learning in the 21st century. It is designed for students who wish to attain proficiency across the communicative modes: Interpersonal (interactive communication), Interpretive (receptive communication), and Presentational (productive communication). The course is meant to be comparable to fifth and sixth semester college and university courses that focus on speaking and writing in the target language at an advanced level. Students who enroll should already have a basic knowledge of the language and cultures of Spanish speaking people and should have attained a reasonable proficiency in using the language.

AP LATIN LITERATURE **3677000AW** **Unit: 1**

Grades: 11 -12

Prerequisite: Latin 4 Honors is highly recommended.

Explore ancient Roman history and culture as students learn to read and analyze Latin literature. In AP Latin, students will gain a deeper understanding of this long-lived language from which all the modern Romance languages (such as French, Spanish, and Italian) arose, while translating passages from the writings of Vergil and Caesar and examining them through class discussions, debates, and presentations.

PHYSICAL EDUCATION

All students are required to successfully complete one (1) unit of physical education to meet South Carolina graduation requirements. Exemption from this requirement will be granted to a student only when a medical doctor states in writing that participation is not possible because of physical disability or for other valid medical reasons.

All students are required to successfully complete one (1) unit of physical education to meet South Carolina graduation requirements. Exemption from this requirement will be granted to a student only when a medical doctor states in writing that participation is not possible because of physical disability or for other valid medical reasons. One unit of JROTC may be substituted for the physical education requirement. ***Band and JROTC students may satisfy the PE requirement by taking the course: MARCHING BAND WITH PE or JROTC 1 AND completing the Health curriculum required in High School 101***.

PE 1 CP **344100CW** **Unit: 1**

Grades 9-12

This course is required for graduation and can be taken at any grade level during high school. The intent of this course is to encompass a personal fitness and wellness component as outlined by the state physical education curriculum. One unit of PE is required for graduation.

PE 2 CP- PE 9 CP **Unit: 1**

PE 2 CP: 344200CW	**PE 4 CP: 344400CW**	**PE 6 CP: 349907CW**	**PE 8 CP: 349909CW**
PE 3 CP: 344300CW	**PE 5 CP: 349906CW**	**PE 7 CP: 349908CW**	**PE 9 CP: 349914CW**

Grades 9-12

Prerequisite: PE 1 CP

These PE courses are electives, which will focus on a variety of individual and team activities. These courses do not satisfy the basic physical education requirement for graduation.

JUNIOR ROTC

The JROTC program's mission is to instill in students the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. JROTC provides students with various opportunities to excel in the classroom, in after school teams, and numerous orientation field trips. The JROTC focus is on developing students mentally, morally, and physically in becoming solid US citizens.

JROTC will enable the students to: develop a high degree of strong morals, self-esteem, self- reliance, personal appearance, and leadership; adhere to the values of integrity, service, and excellence; increase their understanding of patriotism and responsibilities as US citizens; participate in community service activities; expand their skills of critical thinking and problem solving, communication and collaboration, and creativity and innovation; demonstrate military customs, courtesies, and traditions and develop habits of order, discipline, and social skills; strive to graduate from high school and prepare for college and careers in the 21st century; and cultivate a commitment to physical fitness and a healthy lifestyle.

NAVY JROTC: SUMMERVILLE HIGH

JUNIOR ROTC 1 CP **375101CW** **Unit: 1**
Grades: 9-12
This is an elective course for students with an interest in naval and military subjects. Classroom instruction includes maritime geography, government, naval history, oceanography, and navigation. Additional training in military drill stresses self- discipline, respect for authority, and personal appearance. All uniforms, books, and training materials are provided free by the Navy. Participation in NJROTC requires compliance with Navy standards of grooming, to include regulation haircuts, being clean shaven and no earrings for males, wearing the uniform weekly, and acceptance of stringent standards of discipline. ***This class will provide the SC required PE credit when combined with the Health curriculum in High School 101***.

JUNIOR ROTC 2 CP **375201CW** **Unit: 1**
Grades: 10-12 and recommendation from instructor
Prerequisites: Completion of NJROTC 1
This is an elective course for students who have satisfactorily completed NJROTC 1. Classroom instruction includes naval history, meteorology, navigation, naval operations, and first aid. Additional training in military drill stresses leadership, self- confidence, and personal appearance.

JUNIOR ROTC 3 CP **375301CW** **Unit: 1**
Grades: 11-12
Prerequisites: Completion of NJROTC 2 and recommendation from instructor
This is an elective course for students who have satisfactorily completed NJROTC 2. Classroom instruction includes naval history, astronomy, government, and sea power. Additional training in military drill stresses leadership, self-confidence, and personal appearance.

JUNIOR ROTC 3 HONORS **375301HW** **Unit: 1**
Grades: 11-12
Prerequisites: Completion of NJROTC 2 and recommendation from instructor
This is an elective course for students who have satisfactorily completed NJROTC 2. Classroom instruction includes naval history, astronomy, government, and sea power. Honors students will be required to actively participate on an NJROTC team, complete NJROTC 3 curriculum, complete additional academic Honors projects quarterly, and serve as classroom leaders responsible for monitoring, assisting, and mentoring their class. Emphasis is on the development of leadership, management ability, and self-confidence.

JUNIOR ROTC 4 CP **375401CW** **Unit: 1**

Grade: 12

Prerequisites: Completion of NJROTC 3 and recommendation from instructor

This is an elective course in practical leadership for selected seniors who have satisfactorily completed NJROTC 3. Classroom experience involves the management of the NJROTC unit in its leadership positions and the training of cadets under the supervision of instructors. Emphasis is on the development of leadership, management ability, and self-confidence.

JUNIOR ROTC 4 HONORS **375401HW** **Unit: 1**

Grade: 12

Prerequisites: Completion of NJROTC 3 and recommendation from instructor

This is an elective course in practical leadership for selected seniors who have satisfactorily completed NJROTC 3. Classroom experience involves the management of the NJROTC unit in its leadership positions and the training of cadets under the supervision of instructors. Honors students will be required to actively participate on an NJROTC team, complete the NJROTC 4 curriculum, complete additional academic Honors projects quarterly, and serve as classroom leaders responsible for monitoring, assisting, and mentoring their class. Emphasis is on the development of leadership, management ability, and self-confidence.

AIR FORCE JROTC: FORT DORCHESTER HIGH SCHOOLS

AIR FORCE JROTCJUNIOR ROTC 1 CP **375101CW** **Unit: 1**

Grades: 9-12

Prerequisites: None

This is the recommended first Aerospace Science course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. Leadership Education introduces cadets to history, organization, mission, traditions, goals, and objectives of JROTC for all services. It also introduces key military customs and courtesies, describes how to project a positive attitude, and examines the principles of ethical and moral behavior. Lessons cover how to be emotionally, mentally, and physically healthy. Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols. *This course meets the PE requirement when combined with the Health Education component in High School 101.*

JUNIOR ROTC 2 CP **375201CW** **Unit: 1**

Grades: 10-12

Prerequisites: Completion Aerospace Science/Leadership Education 1 or 1 year of another service JROTC completion. Recommendation for advancement from previous Instructor.

Introductory on how airplanes fly, how weather conditions affect flight, and the human body, and flight navigation. The course is designed to complement materials taught in math, physics, and other science-related courses and is aligned with the National Science Education Standards, the Math Standards and Expectations, and ISTE National Educational Technology Standards for Students. Leadership Education is designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and followership. The course focuses on the AFJROTC mission to "develop citizens of character dedicated to serving their nation and community." Woven throughout is the underlying theme of developing personal integrity. The course also emphasizes leadership and values such as service and excellence. Will enhance the cadets learning, and skills of critical thinking, communication, collaboration, and creativity.

JUNIOR ROTC 3 CP **375301CW** **Unit: 1**

Grades: 11-12

Prerequisites: Completion Aerospace Science/Leadership Education 2 or 2 years of another service JROTC completion. Recommendation for advancement from previous Instructor.

Explore the concept of global awareness and the cultures of other regions throughout the world. It starts with an introduction of what global awareness is and the effects of technology on global culture. Students are then taken on a journey around the world, through different cultures in the Middle East, Asia, Africa, Latin America, Europe, and Australia. Finally, the students will be provided cultural information regarding Canada and Mexico. Leadership Education it is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st-century. Students will learn how to save, invest, and spend money wisely, as well as how to avoid credit traps. They learn about real-life issues such as contracts, leases, warranties, legal notices, personal bills, money-saving strategies for grocery shopping, apartment selection, and life with roommates. In addition, students learn how to select a school that is right for them; how to apply for admission to a vocational or technical school, community college, or college/university; and how to succeed in these learning environments. Information is provided on how to conduct the job search for students who wish to enter the workforce right after high school or after additional education and training. They learn how to prepare a winning résumé, and how to develop effective interviewing skills. The text also provides information on working for the federal government to include careers in the military, aerospace industry, and public service. Finally, students will consider the most important elements of life skills for all Americans: civic responsibilities, such as volunteering, registering to vote, jury duty, and draft registration.

JUNIOR ROTC 3 HONORS **375301HW** **Unit: 1**
JUNIOR ROTC 4 HONORS **375401HW** **Unit: 1**
Grades: 11-12
Prerequisites: Completion Aerospace Science/Leadership Education 3 and SASI approval
Provides cadets that are members of the Key/ Wing Staff who hold officer and enlisted positions for ***Management of the Cadet Corps***. This course offers an opportunity for cadets in managing a JROTC unit-including its various activities, systems and technology, and managing themselves as they help manage the unit. Selected cadets will be placed among first, second, and third-year classes as leaders. Allowing cadets, the opportunity to improve their leadership, management, and organizational skills.

AIR FORCE JROTC: ASHLEY RIDGE HIGH SCHOOL

JUNIOR ROTC 1 CP **375101CW** **Unit: 1**
Grades: 9-12
Prerequisites: None
AFJROTC 1 is an elective for students with an interest in aviation and/or learning about the use of air power throughout history. The Leadership Education portion introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; military drill, respect for authority, leadership and citizenship. AS/LE1 meets the requirements for the PE requirement for a SC diploma, or as an elective credit.

JUNIOR ROTC 2 CP **375201CW** **Unit: 1**
Grades: 10-12
Prerequisites: Completion Aerospace Science/Leadership Education 1 CP or 1 year of another service JROTC completion
This is an elective course in the Aerospace Science 2 portion of the course, students will learn about the aerospace environment, principles of aircraft flight and navigation. Leadership Education 2 stresses communication skills and cadet corps activities. Cadets are heavily involved in learning how to communicate effectively, understand groups and teams, prepare for leadership, solve conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. AS/LE 2 cadets will help lead cadet activities and set the example for AS/LE 1 students, especially in the areas of self-discipline and

personal appearance, if selected for a flight crew position.

JUNIOR ROTC 3 CP **375301CW** **Unit: 1**

Grades: 11-12

Prerequisites: Completion Aerospace Science/Leadership Education 2 CP or 2 year of another service JROTC completion

This is an elective course in the Aerospace Science portion that The Exploration of Space examines our Earth, the Moon and the planets, the latest advances in space technology, and continuing challenges of space and manned space flight. An Introduction to Astronomy explores the history of astronomy to include prehistoric astronomy, the early ideas of the heavens. The size and shape of the earth are discussed as well as the distance and size of the Sun and Moon. Other topics such as astronomy in the Renaissance and Isaac Newton and the birth of astrophysics and the growth of astrophysics are explored. Leadership Education 3 gives cadets critical information about life after high school with units on applying for college including financial aid; the job search process including applications, resumes, and interviews; personal financial management; and possible federal, aerospace, and military careers. AS/LE 3 cadets will help lead cadet activities and set the example for AS/LE 1, 2, or 3 students, especially in the areas of self-discipline and personal appearance, if selected for a flight crew position.

JUNIOR ROTC 4 CP **375401CW** **Unit: 1**

Grade: 12

Prerequisites: SASI Approval

This is an elective course that will provides cadets that are members of the Key Staff (FDHS) or ARHS Command Staff who hold officer and enlisted positions for specific contracted positions. This course offers an opportunity for cadets in managing a JROTC unit-including its various activities systems and technology, and managing themselves as they help manage the unit.

JUNIOR ROTC 4 HONORS **375401HW** **Unit: 1**

Prerequisite: Aerospace Science 3 and Instructor selection

This is an elective course that will allow FDHS (Key Staff) or (Command Staff) to earn Honors Credit for a more demanding version of "Management of the Cadet Corps" allowing cadets the opportunity to improve their leadership, management, and organizational skills. This culminating honors project is designed for cadets to demonstrate essential skills through reading, writing, speaking, production, and/or performance. Cadet skills in analysis, logic, and creativity will also be showcased through successful completion of this project.

ADVANCED PLACEMENT

Advanced Placement courses are college-level courses taught in high school. Governed by the College Board, AP classes offer students a high level of rigor and depth into the topics that are taught. Students are able to earn college credit based on their scores on the AP Exams given in the spring. Students should check college websites to determine how college credit for AP exams may count. Students who earn at 3 or above on an AP exam will also satisfy the College and Career Readiness Indicator for graduation.

English
AP Language and Composition
AP Literature and Composition

Math
AP Calculus AB
AP Calculus BC
AP Statistics

Science
AP Environmental Science
AP Biology
AP Chemistry
AP Physics 1
AP Physics 2
AP Physics C: Mechanics

Social Studies
AP Human Geography
AP European History
AP World History: Modern
AP Psychology
AP United States History
AP Microeconomics
AP Macroeconomics
AP US Government and Politics

Other Subjects
AP Research
AP Seminar
AP Spanish Language and Culture
AP Latin Literature
AP 2-D Art and Design
AP 3-D Art and Design
AP Drawing
AP Art History
AP Music Theory
AP Computer Science A
AP Computer Science Principles

CAREER AND TECHNOLOGY EDUCATION (CTE)
Courses listed by Career Cluster

Environmental and Resource Management (ARHS)
Agricultural Science and Technology
Equipment Operations and Management
Environmental and Natural Resources Management
Agriculture, Food, and Natural Resources Internship, Work-based Credit

Plant and Animal Systems (ARHS)
Agricultural Science and Technology
Agribusiness and Marketing
Equipment Operation and Maintenance
Farm Animal Production
Agriculture, Food, and Natural Resource Internship, Work-based Credit

Horticulture (ARHS)
Agricultural Science and Technology
Introduction to Horticulture
Agribusiness and Marketing
Equipment Operation and Maintenace

Horticulture (DCCTC)
Horticulture 1 & 2
Agriculture, Food, and Natural Resources Internship, work-based credit

Agriculture Food and Natural Resource Courses (DCCTC)
Agriculture Science and Technology for the Workplace 1
Agricultural Mechanics and Technology
Environmental and Natural Resources Management for the Workplace 2
Heavy Equipment Operation
Equipment Operation and Maintenance
Agriculture, Food, and Natural Resource Internship, Work-based Credit

Architecture and Construction (DCCTC)
Architectural Design 1 & 2
Building and Construction 1 & 2
Electricity 1, 2, 3, & 4
Architecture & Construction Internship, Work-Based Credit

Arts, Audio-Video Technology & Communications (SHS)
Media Technology 1, 2, 3, & 4
Arts, Audio Video Technology & Communications Internship, Work-Based Credit

Business, Finance, & Information Systems
Advanced Webpage Design and Development
Accounting 1 & 2 **(ARHS)**
Advanced Personal Finance
Advanced Placement Computer Science A **(FDHS)**
Advanced Placement Computer Science Principals

Business Finance
Digital Publication Design (**FDHS**)
Entrepreneurship
Foundations of Animation (**ARHS and FDHS**)
Fundamentals of Computing
Fundamentals of Web Design and Development
Game Design and Development (**ARHS and FDHS**)
Image Editing (**FDHS**)
Finance Internship, Work-Based Credit
Business Finance Internship, Work-Based Credit
Business Management & Administration Internship, Work-Based Credit
Informational Technology Internship, Work-Based Credit

Education and Training
Teacher Cadet 1 & 2

Health Science (DCCTC and DSD2 – FDHS and SHS)
Fire Fighter 1, 2
Health Science 1 & 2
Heath Science Internship, Work-Based Learning

Hospitality and Tourism (ARHS, FDHS, and SHS)
Introduction to Culinary Arts
Culinary Arts 1 & 2
Baking and Pastry 1
Event and Entertainment Management (**FDHS**)
Hospitality and Tourism Internship, Work-Based Credit

Hospitality and Tourism (DCCTC)
Culinary Arts 1 & 2
Hospitality & Tourism Internship, Work-Based Learning

Human Services (DCCTC)
Cosmetology 1, 2, 3, and 4
Nail Technology 1, 2
Human Services, Internship, Work-Based Credit

Informational Technology Dual Credit Courses – ECPI (ARHS, FDHS, and SHS)
Introduction to Networking 1 & 2
Introduction to Operating Systems
Introduction to Programming
Introduction to Scripting
Network Security Concepts
UNIX Administration
Cloud Computing Concepts
Computer Configuration 1 & 2
Information Technology Internship, Work-Based Credit

Law, Public Safety, & Security (DCCTC)
Fire Fighter 1, 2
Law Enforcement 1, 2

Law, Public Safety, Corrections & Security Internship, Work-Based Credit

Marketing (FDHS, ARHS)
Marketing
Digital Media Marketing
Sports and Entertainment Management
Sports and Entertainment Marketing
Marketing Internship, Work-Based Credit

Manufacturing Technology (SHS)
Mechatronics Integrated Technologies 1, 2, 3, 4
Manufacturing Internship, Work-Based Credit

Manufacturing Technology (DCCTC)
Machine Technology 1, 2
Welding Technology 1, 2, 3, 4
Manufacturing Internship, Work-Based Credit

Project Lead the Way – Biomedical Sciences (ARHS, FDHS, and SHS)
PLTW Biomedical Sciences
PLTW Human Body Systems
PLTW Medical Interventions
PLTW Biomedical Innovations
PLTW Health Science Internship, Work-Based Credit

Science, Technology, Engineering, and Mathematics (ARHS, FDHS, and SHS)
PLTW Introduction to Engineering Design
PLTW Engineering Essentials
PLTW Principles of Engineering
PLTW Aerospace Engineering
PLTW Civil Engineering and Architecture
PLTW Digital Electronics
PLTW Computer Integrated Manufacturing (**FDHS**)
Science, Technology, Engineering, and Mathematics Internship, Work-Based Credit

Sports Medicine (ARHS, FDHS, and SHS)
Sports Medicine 1, 2, 3
Medical Terminology
Health Science Internship, Work-Based Credit

Transportation and Logistics (DCCTC)
Automotive Collision Repair 1, 2, 3, 4
Automotive Technology 1, 2, 3, 4
Diesel Engine Technology 1, 2, 3, and 4
Heavy Equipment 1, 2, and 3
Logistics and Distribution
Warehouse Distribution
Transportation, Distribution, & Logistics Internship, Work-Based Credit

MIDDLE SCHOOL CTE COURSES

DIGITAL LITERACY (Will not receive high school credit beginning 2019-20)
Course Code 2853
Recommended Maximum Enrollment 24
Grade Level: 6, 7, 8
Credits: NA
Prerequisite: None
Digital Literacy is designed to equip students with many of the needed computer skills to find, evaluate, create, and communicate information. Students will be exposed to a broad range of computer technology along with a working knowledge of computer software and hardware.
Students benefit from an understanding of wide range of applications (e.g., document processing, presentations, spreadsheets, and web-based resources). This course prepares students to be college and career-ready.

PLTW APP CREATORS
Course Code 1782 (6), 2782 (7, 8)
Recommended Maximum Enrollment 24
CreditsNA
Prerequisite: NA
This unit will expose students to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development and will convey the positive impact of the application of computer science to other disciplines and to society.

PLTW DESIGN AND MODELING
Course Code/Grade Level 1780 (6), 2780 (7, 8)
Recommended Maximum Enrollment 24
Credits: NA
Prerequisite: NA
Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

PLTW AUTOMATION AND ROBOTICS
Course Code/Grade Level 1781 (6), 2781 (7, 8)
Recommended Maximum Enrollment 24
Credits: NA
Prerequisite: NA
Students learn about the history and impact of automation and robotics as they explore mechanical systems, energy transfer, machine automation, and computer control systems. Using the VEX Robotics® platform, students apply what they know to design and program traffic lights, robotic arms, and more.

PLTW SCIENCE OF TECHNOLOGY
Course Code/Grade Level 1786 (6), 2786 (7, 8)
Recommended Maximum Enrollment 24
Credits: NA
Prerequisite: NA
Science impacts the technology of yesterday, today, and the future. In this unit, students apply the concepts of physics, chemistry, and nanotechnology to activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials.

PLTW MEDICAL DETECTIVES

Course Code/Grade Level 1789 (6), 2789 (7, 8)
Recommended Maximum Enrollment 24
Credits: NA
Prerequisite: NA

Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose diseases. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, investigate disease outbreaks, and explore how a breakdown within the human body can lead to dysfunction.

AGRICULTURE EDUCATION

Agricultural Education is a program for students interested in pursuing careers in natural resources, environmental, and agricultural fields. Hundreds of careers are available to students who complete this program. Each local program is designed and conducted to meet specific local needs as identified by that program's advisory committee, and the school administration. These programs include training for careers in agricultural production, processing, mechanization/ engineering, communication/education, scientists, marketing/sales, horticulture, forestry, research, and agribusiness.

The agricultural education program involves the following components: rigorous classroom instruction (contextual learning), hands-on experience and career exploration (work-based learning), and the FFA (connecting activity). Programs are designed to prepare students to fill community needs, enter post-secondary agricultural programs, and develop their personal skills.

Environmental & Natural Resources System Management Pathway

AGRICULTURAL SCIENCE AND TECHNOLOGY CP (ARHS only) 562400CW Unit: 1
Grades: 9-10
Prerequisite: None
Recommended Maximum Enrollment: 30
The Agricultural Science and Technology course teaches essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety and agricultural mechanical technology are included as a part of the instructional program. Each student is required to design and participate in supervised agricultural experiences.

AGRICULTURAL SCIENCE AND TECHNOLOGY FOR THE WORKPLACE CP (ARHS) 562000CW Units: 2
Grade Level 9, 10, 11
Prerequisite: None
Recommended Maximum Enrollment: 30
The Agricultural Science and Technology for the Workplace course teaches essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as part of the instructional program. Each student is required to design and participate in supervised agricultural experiences.

AGRICULTURAL MECHANICS AND TECHNOLOGY CP (ARHS)566000CW Unit: 1
Grade Level 9, 10
Prerequisite: None
The Agriculture Mechanics and Technology course is designed as an introductory course tothe Agriculture Mechanics Career Pathway. In addition, it provides development of generalmechanical skills, which are required in all areas of Agricultural Education. Typical instructional activities include hands-on experiences in woodworking, metalworking, welding, small engine repair, basic farm and homestead improvements, participating in personal and community leadership development activities, planning and implementing a relevant work-based learning transition experience, and participating in Future Farmers of America (FFA) activities.

AGRICULTURAL MECHANICS AND TECHNOLOGY FOR THE WORKPLACE 1 CP
560400CD Unit: 2

Recommended Maximum Enrollment 20
Grade Level 9, 10, 11
Prerequisite None
The Agriculture Mechanics and Technology for the Workplace 1 course is designed as an introductory course to the Agriculture Mechanics Career Pathway. Typical instructional activities include hands-on experiences in woodworking, metalworking, welding, small engine repair, basic farm and homestead improvements, participating in personal and community leadership development activities, planning and implementing a relevant work- based learning transition experience, and participating in Future Farmers of America (FFA) activities.

ENVIRONMENTAL AND NATURAL RESOURCES MANAGEMENT CP (ARHS)
562600CW Unit: 1

Grade Level 9, 10
Prerequisite: None
Recommended Maximum Enrollment: 30
Environmental and Natural Resource Management is the introductory course for the Environmental and Natural Resources Career Pathway. It is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities include constructing a model watershed; identifying and/or measuring the levels of air, water, noise, and solid waste pollution in a selected site; participating in hands-on experiences with site analysis; evaluating competing interests; and analyzing biological and physical aspects of the environment and environment-related issues including methods of abating and controlling pollution. Students participate in personal and community leadership development activities, plan and implement a relevant school-to-work transition experience and participate in FFA activities.

HEAVY EQUIPMENT OPERATION (AGRICULTURE MECHANICS & TECHNOLOGY FOR THE WORKPLACE 1 CP (DCCTC)
560400CD Units: 2
EQUIPMENT OPERATION AND MAINTENANCE CP 562100CD Units: 2

Grades: 10-12
Prerequisite for Equipment Operation and Maintenance – Students must have a grade above 80 in Agriculture Mechanics and Technology for the Workplace 1 or teacher recommendation.
The Heavy Equipment Operation program at DCCTC is a continuous, year-long class collectively worth 4 credits. Typical instructional activities include hands-on, immersive training using SimLog heavy equipment simulators for the backhoe loader, bulldozer, hydraulic excavator, articulated wheel loader, and forklift. Students can work through these simulations independently to learn the fundamental operational techniques of each piece of equipment and to hone their critical thinking skills for the application of these machines in the construction and agriculture industries. After meeting the required performance standards in the simulator lab, students move to an active quarry site located off campus owned by Austin Construction. Under the supervision of equipment operators employed by Banks Construction, students learn basic safety, operation, and maintenance techniques for each of the four pieces of heavy equipment covered by the simulation software while gaining hours of valuable "real world" operational time.

ENVIRONMENTAL AND NATURAL RESOURCES MANAGEMENT FOR THE WORKPLACE 1 CP (DCCTC)
562800CD Units: 2

Grades: 10-12

This is an introductory course in ornamental horticulture and production agriculture. Students will learn fundamental skills relating to plant propagation from small-scale backyard gardening and landscaping to large-scale production agriculture and commercial nursery/greenhouse management for the season of the year in which they are enrolled. Students will work through the steps of planning, implementing, cultivating, harvesting, and evaluating various horticultural and agricultural operations. Students are encouraged to begin and/or expand their own home gardens and are provided with plants through the program. Students will also be able to join the Dorchester Dust Devils, DCCTC's clay sports team. A $20 lab fee and $10 FFA dues are required for this course.

HORTICULTURE FOR THE WORKPLACE 1 CP **565200CD** **Units: 2**

Grades: 10-12

Site: DCCTC Dorchester

This is an introductory course in ornamental horticulture and production agriculture. Students will learn fundamental skills relating to plant propagation from small-scale backyard gardening and landscaping to large-scale production agriculture and commercial nursery/greenhouse management for the season of the year in which they are enrolled. Students will work through the steps of planning, implementing, cultivating, harvesting, and evaluating various horticultural and agricultural operations. Students are encouraged to begin and/or expand their own home gardens and are provided plants through the program. Students will have the opportunity to participate in the DCCTC Future Farmers of America (FFA) Chapter. A $20 lab fee and $10 FFA dues are required for this course.

HORTICULTURE FOR THE WORKPLACE 2 CP **565300CD** **Units: 2**

Grades: 10-12

Site: DCCTC Dorchester

This is the continuation of introductory course in ornamental horticulture and production agriculture. Students will continue learning fundamental skills relating to plant propagation from small-scale backyard gardening and landscaping to large-scale production agriculture and commercial nursery/greenhouse management for the season of the year in which they are enrolled. Students will work through the steps of planning, implementing, cultivating, harvesting, and evaluating various horticultural and agricultural operations. Students are encouraged to begin and/or expand their own home gardens and are provided plants through the program. This career field's current salary range in South Carolina is $9.21 to $26.11 per hour (www.onetonline.org). Students will have the opportunity to participate in the DCCTC Future Farmers of America (FFA) Chapter. A $20 lab fee and $10 FFA dues are required for this course.

FARM ANIMAL PRODUCTION CP (ARHS) **564700CW** **Unit: 1**

Grades: 10 - 12

Prerequisite: Agricultural Science and Technology or Agricultural Biosystems Science

Recommended Maximum Enrollment: 30

Farm Animal Production teaches technical knowledge and skills for entry-level positions in an animal production enterprise by developing students' competency in the selection, breeding, physiology, nutrition, health, housing, feeding, and marketing of farm animals. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm.
animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities.

AGRIBUSINESS AND MARKETING CP (ARHS) **560000CW** **Unit: 1**

Grades: 10 - 12

Prerequisite: One of the following courses: Agricultural Science and Technology, Agricultural Mechanics and Technology, Environmental and Natural Resources Management, Introduction to Horticulture, or Agricultural Biosystems Science (depending on the pathway)

Recommended Maximum Enrollment: 30
Agribusiness and Marketing is designed for the student who plans to seek employment on, manage, or own a farm or who seeks employment in an agribusiness field. Students will be involved in learning activities that generally prepare them to apply the economic and business principles involved in the organization, operation, and management of a farm, ranch, or agribusiness. Typical hands-on learning experiences include applying modern economic and business principles involved in the organization, operation, and management of agricultural businesses, including the production and marketing of agricultural products and services; applying computer application models; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities.

WILDLIFE MANAGEMENT CP (ARHS) **567400CW** **Unit: 1**
Grades: 10 -12
Prerequisite: Environmental and Natural Resources Management
Recommended Maximum Enrollment: 30
The Wildlife Management course is designed to be introductory course for the Environmental and Natural Resources pathway. The course is a combination of subject matter and planned learning experiences on the principals involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes.

AGRICULTURE, FOOD AND NATURAL RESOURCES, INTERNSHIP CP (ARHS)
569000CW **Unit: 1**
Grade: 11 - 12
Prerequisite: Completion of two (2) CTE courses/units within a program
The Agriculture, Food and Natural Resources work-based course is a structured, stand-alone course that is taken in a CTE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

AGRICULTURE, FOOD, AND NATURAL RESOURCES INTERNSHIP, WORK-BASED LEARNING CREDIT CP (DCCTC)
569000CW **Unit: 1**
Prerequisites: Senior and completer of a DCCTC career and technology program in Agriculture, Food, and Natural Resources with a grade of 80 or higher and instructor recommendation
Natural Resources cluster and instructor recommendation Seniors who have completed a career and technology program and desire work experience in a related field or desire to further enhance their skills may enroll in a work-based learning course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. A $20 lab fee is required for this course.

ARCHITECTURE AND CONSTRUCTION

BUILDING CONSTRUCTION 1 CP **606000CD** **Units: 2**

Grades: 10-12

Site: DCCTC Dorchester

This course is part of the instructional program that prepares students to perform entry-level building construction tasks under the direction of a supervisor or an experienced craftsman. Primary instruction is given in basic carpentry, masonry, residential electricity, plumbing and safety practices. There is a $20 shop fee due at the beginning of each semester required for this course.

BUILDING CONSTRUCTION 2 CP **606100CD** **Units: 2**

Grades: 10-12

Site: DCCTC Dorchester

Prerequisite: Building Construction 1 with a grade of 70 or higher

This course provides in-depth instruction on floor systems, wall framing, roofing, and brick masonry. Students learn to read and interpret blueprints, sketches and building plans. Students may be eligible to participate in cooperative work experiences or apprenticeships, which combine career and technology training with supervised work experience in business and industry. This career field's current salary range in South Carolina is $11.53 to $19.95 per hour (www.onetonline.org). There is a $20 shop fee due at the beginning of each semester required for this course.

ELECTRICITY 1 CP (DCCTC) **628700CD** **Units: 2**

Grades: 10-12

Electricity 1 students will learn introductory electrical skills for residential buildings in accordance with current national electrical codes. Areas covered in Electricity 1 include: basic and electrical safety, construction math, hand tools, power tools, blueprints, rigging, communication, employability skills and hand bending. All sections include multiple hands-on projects. Students need a grade of 71 or higher to advance to Electricity 2. Students in this course will have the opportunity to participate in the AINautics drone pilot training class. Upon successful completion of this training and passing of the national exam, students can obtain the Federal Aviation Authority (FAA) Remote Drone Pilot license. A $20 lab fee is required for this course.

ELECTRICITY 2 CP (DCCTC) **628800CD** **Units: 2**

Grades: 10-12

Prerequisite: Electricity 1 with a grade of 71 or above

Electricity 2 students will move from small project boards to full scale rooms for all wiring projects. Areas covered in Electricity 2 include: Electrical theory 1 and 2, electrical test equipment, intro to NEC, raceways and boxes, conductors, electrical blueprints, and commercial, residential and industrial wiring. Completers of electricity 2 will have an opportunity to gain employment for summer work with an electrical contractor with the possibility of enrolling into the electrical apprenticeship program. Students need a grade of 81 or higher to advance to electricity 3. This career field's current salary range in South Carolina is $10.67 to $19.22 per hour (www.onetonline.org).A $20 lab fee is required for this course.

ELECTRICITY 3 CP (DCCTC) **628900CD** **Units: 2**

Grade: 12

Prerequisite: Electricity 2 (grade of 81 or higher and instructor recommendation)

The student's main objective in this course is to be placed on a jobsite for work-based learning. In the classroom, the main objective is to teach the students commercial and industrial codes and electrical applications. Course instruction is more in depth in Electrical theory, National Electrical code, and employability skills. DCCTC's goal is to have our students prepared for a simple transition from school to work. A $20 lab fee is required for this course.

ELECTRICITY 4 CP (DCCTC) **629000CD** **Units: 2**

Grade: 12

Prerequisite: Electricity 3 (grade of 81 or higher and instructor recommendation)

This course is offered only for students who are eligible for work placement with the DCCTC's school to work program. A $20 lab fee is required for this course.

ARCHITECTURAL & CONSTRUCTION INTERNSHIP/WORK-BASED LEARNING CREDIT CP (DCCTC) **669000CW** **Unit: 1**

Grade: 12

Prerequisites: Senior and completer of career and technology program in the construction trades and instructor recommendation

Seniors who have completed a career and technology program and desire work experience in a field related to architecture and construction or desire to further enhance their skills may enroll in a work-based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. A $20 lab fee is required for this course.

MACHINE TECHNOLOGY 1 CP **623000CD** **Units: 2**

Grades 10-12

Site: DCCTC Trolley Road

This course provides classroom instruction and lab experiences related to metalworking. It focuses on the operation of equipment such as the lathe, milling machine, grinders, drilling machines, precision measuring instruments and hand tools. Blueprint reading and math are important parts of the course. Students who register for this course should enjoy working with machines and making metal projects. A $20 lab fee is required for this course.

MACHINE TECHNOLOGY 2 CP **623100CD** **Units: 2**

Grades 10-12

Site: DCCTC Trolley Road

Prerequisite: Machine Technology 1 with a grade of 71 or above

This course includes advanced instruction machining metal. The course focuses on milling machines, boring and drilling, the use of vertical and horizontal boring and drilling machines, basic study of CNC equipment and CNC code, job seeking, public relations and manufacturing facilities. Students may be eligible to participate in cooperative work experiences or apprenticeships, which combine career and technology training with supervised work experience in business and industry. This career field's current salary range in South Carolina is $11.22 to $28.66 per hour (www.onetonline.org). A $20 lab fee is required for this course.

ARTS, AUDIO-VIDEO TECHNOLOGY COMMUNICATIONS

The competency listings are intended to serve as guides to assist teachers and administrators in providing an instructional program that is current and relevant. Arts, AV Technology, and Communications skill standards address what a worker needs to know and be able to do and contribute to a safe, productive, and effective work environment. Students will be properly prepared for their careers when the standards listed are integrated with quality instructional techniques. The standards provide a secure foundation for future training in the student's career.

The following provide the basis for development of a student profile that can be shared with prospective employers, and in many instances, the standards can be used for planning and implementing articulation agreements with comparable programs at the post-secondary level.

Media Technology

MEDIA TECHNOLOGY 1 CP (SHS only) **612400CW** **Unit: 1**
MEDIA TECHNOLOGY 2 CP (SHS only) **612500CW** **Unit: 1**
Grades: 10 -12
Prerequisite: None, courses taken sequentially
Recommended Maximum Enrollment: 24
In the Media Technology program, students will explore the general field of communications and will focus primarily on audio and motion media industries. Students will also learn about related fields such as radio, graphic design, computer graphics, animation, special effects, online media development, advertising, public relations, and corporate communications. Students will get hands-on experience in basic production techniques for audio, video, and film. They will learn how to use industry-standard equipment and will develop skills including writing, directing, producing, and editing video pieces of increasing complexity. Program completers will compile their works for inclusion in a portfolio, for use in this program of study, the workforce, or postsecondary education.

MEDIA TECHNOLOGY 3 CP (SHS Only) **612500HW** **Unit: 1**
MEDIA TECHNOLOGY 4 CP (SHS Only) **612700HW** **Unit: 1**
Grades: 11-12
Prerequisite: Media Technology 1 and 2 take sequentially
Recommended Maximum Enrollment: 24
In the Media Technology program, students will explore the general field of communications and will focus primarily on audio and motion media industries. Students will also learn about related fields such as radio, graphic design, computer graphics, animation, special effects, online media development, advertising, public relations, and corporate communications. Students will get hands-on experience in basic production techniques for audio, video, and film. They will learn how to use industry-standard equipment and will develop skills including writing, directing, producing, and editing video pieces of increasing complexity.

ARCHITECTURAL DESIGN 1 CP (DCCTC) **617000CD** **Units: 2**
Grades: 10-12
Prerequisites: Students should enjoy math & have passed or be enrolled in Algebra 1-B or Algebra 1
Recommended Maximum Enrollment: 24
A $20 lab fee is required for this course.
This course is intended to develop the basic skills for the completion of architectural design/CAD's two semester program. Skills developed in this course will promote students into a Computer Aided Drafting (CAD)

career with emphasis in Architecture and Engineering. This course will introduce AutoDesk AutoCAD and Revit CAD programming through residential floor plans, elevation, and sectional drawings, as well as various construction plans and technical drawings to include freehand sketching. With virtually every career industry utilizing technical drawings to design or manufacture elements, this course is a must. Upon completion of this course with a passing grade of 78, or instructor approval, students may attend the Architectural Design 2 program to further their knowledge and skillset. This will include an opportunity for SkillsUSA competition training and AutoCAD User Certification opportunity. This course is also an option for the computer science credit required for a high school diploma.

ARCHITECTURAL DESIGN 2 CP (DCCTC) 617100CD Units: 2

Grades: 10-12

Prerequisite: Courses taken sequentially. Pass Architectural Design 1 with a grade of 71 to enroll in Architectural Design. Students should enjoy math & have passed or be enrolled in Algebra 1-B or Algebra 1

Recommended Maximum Enrollment: 24

Grade Level: 10, 11, 12

This course is intended to enhance the existing skills attained in Architectural Design 1 to include preparation for an entry-level drafting position in the workforce or admittance into a post-secondary school. Students will extend their knowledge with CAD programming to include three-dimensional design and execution on our 3D printer and/or two-dimensional design and machining on our CNC machine. This course also prepares for SkillsUSA competition in Architecture Drafting or Technical Drafting pending student's desire and instructor's approval. With more emphasis in AutoCAD and/or Revit, students will have the opportunity, per instructor approval, to earn their AutoCAD User Certification (ACU) or their Revit Certification both recognized worldwide. CAD programming is used in various architectural and engineering fields, such as, surveying, civil engineering, electrical engineering, manufacturing, building construction, architect, and landscape architect just to name a few. This career field's current salary range in South Carolina is between $16.19 to $41.02 per hour (www.onetoline.org). A $20 lab fee is required for this course.

ARTS AUDIO VIDEO TECHNOLOGY & COMMUNICATIONS, INTERNSHIP, WORK-BASED LEARNING 1 & 2 CP (SHS) 52900CW Unit: 1

Grades: 11-12

Prerequisite: Completion of two (2) CTE courses/units within a program

Recommended Maximum Enrollment: None

Arts, Audio-Video Technology and Communications work-based course is a structured, stand-alone course that is taken in a CTE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed to award the Carnegie unit of credit upon successful completion of the course.

ARTS, AUDIO-VIDEO TECHNOLOGY AND COMMUNICATIONS INTERNSHIP, WORK BASED LEARNING CREDIT CP (DCCTC) 529000CW Unit: 1

Prerequisites: Senior and completer of career and technology program in the architectural design program and instructor recommendation

Seniors who have completed a career and technology program and desire work experience in a field related to architectural design or desire to further enhance their skills may enroll in a work-based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. A $20 lab fee is required for this course.

BUSINESS MANAGEMENT AND ADMINISTRATION

Welcome to the Business World. One of the fastest-growing and highest-paying sectors of the South Carolina job market is Business, Management, and Administration. Why? Every South Carolina company—from small Mom-and-Pop shops to sprawling manufacturing plants—needs employees with strong financial, organizational, time-management, and communication abilities. If you choose the Business, Management, and Administration cluster, you'll acquire all of these valuable skills while also building a rock-solid academic foundation in math, science, and English. Read on to explore whether you are suited for a career in Business, Management, and Administration.

People with business skills are the ones that make the deals that build profitable companies that power the global economy. A career in business can take an individual to the CEO's corner office on the top floor of a skyscraper or around the world making million-dollar deals.

The business management, and administration industry is the highest paying, with nearly half of all jobs in management and professional occupations. For those who have always wanted to be their own boss, this is the cluster to consider. Surveys indicate that about one-fourth of all workers in BMA careers are self-employed.

ENTREPRENEURSHIP CP **540000CW** **Unit: 1**
Grades: 9 –12
Prerequisite: None
Recommended Maximum Enrollment: 24
Entrepreneurship is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of economics, ethics, legal aspects, logistics, research, staffing, strategies for financing, and technology.

INTEGRATED BUSINESS APPLICATIONS 1 CP **502000CW** **Unit: 1**
Grades: 9 –12
Prerequisite:
Recommended Maximum Enrollment: 24
Integrated Business Applications 1 provides in-depth instruction in Microsoft (MS) Office applications that will lead to national certifications. The applications covered include MS Word, MS Excel, MS PowerPoint, and Microsoft (MS) Access (optional). Students will learn the features and benefits of the application program and apply their knowledge in various problem-based activities. In addition, students are engaged in applying key critical thinking skills and the practice of ethical and appropriate behavior for the responsible use of technology. This course prepares students for the Microsoft Specialist Associate certifications offered by Certiport etc. (Revision in 20/21)

INTEGRATED BUSINESS APPLICATIONS 2 CP **502100CW** **Unit: 1**
Grades: 10-12
Prerequisite: Integrated Business Applications 1
Recommended Maximum Enrollment: 24
Integrated Business Applications 2 is designed to provide advanced instruction in Microsoft Office Applications that will lead to Core and Expert national certifications. The applications covered include advanced levels of MS Word, MS Excel, MS PowerPoint, and MS Access. Students will learn the features and benefits of the application programs and apply their knowledge in various problem-based and critical thinking activities. This course prepares students for the Microsoft Specialist Expert certifications offered by Certiport.

BUSINESS MANAGEMENT AND ADMINISTRATION INTERNSHIP, WORK-BASED LEARNING
CP **549000CW** **Unit: 1**

Grade Level: 11-12
Prerequisite: Completion of two (2) CTE courses within a program
Recommended Maximum Enrollment: None

Business Management and Administration work-based course is a structured, stand-alone course that is taken in a CTE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed to award the Carnegie unit of credit upon successful completion of the course.

FINANCE

Financial Planning combines the skill sets of financial managers with that of a more relationship- oriented individual. They typically work with clients either in daily, one-time transactions at the bank or as lifelong, trusted confidants who fully manage their client's wealth. These are professional people whose expertise and knowledge are valued by those they serve, whether it is to make a deposit, recommend a life insurance policy, or manage a retirement fund. People who enter the pathway of Business Finance are process oriented. They like to see numbers add up and enjoy problem solving as a result. From entry level billing clerks to CFOs of major corporations, everyone in this cluster enjoys math and most likely is skilled with computers and accounting software as well.

ACCOUNTING 1 CP (required) **500100CW** **Unit: 1**
Grades: 10 -12
Prerequisite: Algebra 1 and/or instructor approval
Recommended Maximum Enrollment: 24
Accounting 1 is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Use of the computer in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures.

ACCOUNTING 2 CP **500500CW** **Unit: 1**
Grades: 10 – 12
Recommended Maximum Enrollment: 24
Prerequisite: Accounting 1 with a minimum of C or better and/or instructor approval
Accounting 2 expands the student's understanding of accounting subsystems and develops as understanding of various methods of internal control procedures. The students develop competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of- period procedures. The student will demonstrate the use of accounting principles using computer software and stimulated activities.

BUSINESS FINANCE CP **527300CW** **Unit: 1**
Grades: 9 -12
Prerequisite: Accounting 1
Recommended Maximum Enrollment: 24
Business Finance is designed to provide students with a foundation in corporate business finance concepts and applications including fundamentals, financial environment, management planning, maintenance, and analysis of financial records, long and short-term financial activities, financial business activities, financial institutions and banking services, consumer credit, business insurance, technology and financial management, and international finance.

BUSINESS FINANCE INTERNSHIP, WORK-BASED LEARNING CREDIT CP
619000CW **Unit: 1**
FINANCE INTERNSHIP, WORK-BASED LEARNING CREDIT CP **619000CW** **Unit: 1**
Prerequisite: Completion of two (2) CTE courses/units within a program
Finance work-based course is a structured, stand-alone course that is taken in a CTE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed to award the Carnegie unit of credit upon successful completion of the course.

HEALTH SCIENCE EDUCATION

Health Science Education is a secondary program of study that promotes health career opportunities to students in grades 9-12. Integration of health science courses, work-based learning experiences, HOSA-Future Health Professionals activities, and academics allow students to make informed decisions regarding an array of careers and educational pursuits.

HEALTH SCIENCE 1 CP **555000CD** **Units: 2**

Grades: 10-12
Curriculum Includes: Health Science 1 (555000CD) and Health Science 2 (555100CD)
Sites: DCCTC Dorchester & DCCTC Trolley Road
This course is designed to familiarize students with healthcare career opportunities and assist them in acquiring entry-level knowledge and skills applicable to healthcare fields. Emphasis will be placed on selecting a healthcare career, recognizing healthcare facilities and methods of paying for healthcare, professional communication skills, safe work practices and the prevention of infection, and related medical terminology. Students can also participate in HOSA (Health Occupations Students of America), which is a student led organization and community service in healthcare. A $20 lab fee is required for this course.

HEALTH SCIENCE 2 CP (HUMAN BODY SYSTEMS & CLINICAL STUDIES)
555100CD **Units: 2**
CLINICAL OPTIONS: NURSING (CNA), DENTAL, VETERINARY, OR MEDICAL BACK OFFICE)

Grades: 10-12
Curriculum Includes: Health Science 3 (555200CD) and Health Science Clinical Studies (556000CD)
Sites: DCCTC Dorchester & DCCTC Trolley Road
*Prerequisite: Health Science 1 CP with a grade of 75 or higher and teacher recommendation or completion of Sports Medicine 1 & 2 at their home high school ***
** Students completing Sports Medicine 1 and 2 at their home high school are allowed to come to DCCTC for Health Science 2 and after successful completion of this course and state exam, can obtain their Certified Nursing Assistant (CNA) licensure.
**CPCT students must be a senior and turning 18 years old by June to participate in the clinical setting.

This course begins with core information in medical math, growth and development, death and dying, and nutrition. After completing the core, students will select one of the following components: nursing, dental, veterinary, or medical back office. Upon completion of the core modules, students will be placed in a local health care facility for a real-world experience. During the course, the student will be instructed in cardiopulmonary resuscitation and can become CPR certified. Students are also provided the opportunity to obtain their CNA (Certified Nursing Assistant) and/or CPCT (Certified Patient Care Technician) license. This career field's current salary range in South Carolina is $9.60 to $16.03 per hour (www.onetonline.org). A $20 lab fee is required for this course. DCCTC is a testing site facility for the Certified Nursing Assistant licensure exam. The cost for this exam is $101.00. CNA and CPCT students are required to provide their own transportation to the clinical setting, provide immunization records, pay the $26 fee for the SLED check, pay the $25 for the 2-step PPD, and pass a drug screening.

HEALTH SCIENCE WORK BASED LEARNING CP **559000CW** **Units: 1**

Grade: 12
Sites: DCCTC Dorchester & DCCTC Trolley Road
Prerequisite: Senior and completer of a DCCTC career and technology program in health science and instructor recommendation
Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a Level 3 course.

Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. A $20 lab fee is required for this course.

Project Lead the Way (PLTW) Biomedical Science Pathway

PLTW BIOMEDICAL INNOVATION (HONORS) **558300HW** **Unit: 1**
Grades: 11-12
Prerequisites: Concurrent enrollment in Medical Intervention
Recommended Maximum Enrollment: 24
Biomedical Innovation is the capstone (fourth course) for the Project Lead the Way Biomedical Science program for high school students. In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry.

PLTW HUMAN BODY SYSTEMS (HONORS) **558100HW** **Unit: 1**
Grades: 9 -12
Prerequisite: Principles of Biomedical Science or Teacher Recommendation
Recommended Maximum Enrollment: 24
Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the role of biomedical professionals to solve medical mysteries.

PLTW MEDICAL INTERVENTIONS (HONORS) **558200HW** **Unit: 1**
Grades: 11-12
Prerequisites: Principles of Biomedical Science and Human Body Systems
Recommended Maximum Enrollment: 24
Medical Interventions is a foundation course for the Project Lead the Way (PLTW) Biomedical Sciences program for high school students. In the Medical Interventions course, students will investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. A "How-To" manual for maintaining overall health and homeostasis in the body, the course will explore how to prevent and fight infection, how to screen and evaluate the code in our DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students will be exposed to the wide range of interventions related to Immunology, Surgery, Genetics, Pharmacology, Medical Devices, and Diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses, as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions will be showcases across the generations for the family and will provide a look at the past, present and future of biomedical science. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important role scientific thinking and engineering design play in the development of interventions of the future.

PLTW PRINCIPLES OF BIOMEDICAL SCIENCES (HONORS) **558000HW** **Unit: 1**
Grades: 9 -2
Recommended Maximum Enrollment: 24

Prerequisite: Teacher Recommendation
Principles of Biomedical Sciences is a foundation course for the Project Lead the Way Biomedical Sciences program for high school students. This course introduces the biomedical sciences through exciting hands-on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for the subsequent courses.

PLTW HEALTH SCIENCE, INTERNSHIP, WORK-BASED CREDIT (HONORS)
559000HW **Unit: 1**

Grades: 11-12
Prerequisite: Successful completion of two (2) Health Sciences courses plus Cardiopulmonary Resuscitation (CPR) and First Aid (FA) certification.

Sports Medicine Pathway

MEDICAL TERMINOLOGY CP **554000CW** **Unit: 1**
Grades: 9-12
Recommended Maximum Enrollment: 24
Prerequisite: None
Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.

SPORTS MEDICINE 1 CP **555500CW** **Unit: 1**
Grades: 9 -12
Prerequisite or Co-requisite: Biology or Health Science I Recommended Maximum Enrollment: 24
Sports Medicine 1 emphasizes sports medicine career exploration and the prevention of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of another sports medicine concept. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course.

SPORTS MEDICINE 2 CP **555600CW** **Units: 2**
Grades: 10 - 12
Prerequisite: Required successful completion of Sports Medicine 1, plus CPR and FA certification. Also recommended but not required, Health Science 3 or its substitute. (Medical Terminology, PLTW Human Body Systems, Science department Anatomy and Physiology, AP Biology)
Recommended Maximum Enrollment: 24
Sports Medicine 2 emphasizes the recognition and care of common injuries and illnesses sustained by a physically active population. Subject matter will include discussion of specific conditions and injuries that may

be experienced by individuals participating in athletic activities. In addition, the concepts of therapeutic modalities and exercise in the care of injuries will be examined. A focus on deeper understanding of body systems and common pathologies will be included. Concepts related to the administrative aspects of the sports medicine program will also be covered. Students will apply legal and ethical principles through real-world scenarios in various sports medicine settings. Other career roles in sports medicine will be discussed at the Athletic Trainer takes the injured athlete through the pathway of recovery. Also recommended but required: Health Science 3 or its substitute (Medical Terminology, Project Lead the Way (PLTW) Human Body Systems, Science department Anatomy and Physiology, Advanced Placement (AP) Biology).

SPORT MEDICINE 3 CP **555700CW** **Unit: 1**

Grades: 10 – 12

Further Certification is actively being sought for SM area. No CIP code has been assigned. Students will have an opportunity to choose their senior level course in work-based learning or through the medical billing or coding certification.

SPORTS MEDICINE, INTERNSHIP, WORK-BASED LEARNING CREDIT CP
559100CW **Unit:1**

Grades: 11 – 12

Prerequisite: Successful completion of two Sports Medicine courses 1 and 2 with a grade of 75 or higher plus Basic Life certification.

Recommended Maximum Enrollment: None

Sports Medicine Internship, Work-Based Learning is a structured work-based credit bearing course that is taken as a fourth unit in a three-or four-unit CTE completer program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed to award one Carnegie unit of credit upon successful completion of the course. This course will not count as the third unit in the three-unit completer pathway.

HOSPITALITY AND TOURISM

Hospitality and Tourism is designed to prepare students for entry-level employment in the travel and tourism industry. Industry segments will focus on such areas as planning, marketing, management, finance, operations, technical and production skills, technology, human relations, labor issues, community issues, environmental issues, and safety.

Culinary Arts and Baking and Pastry Pathways

INTRODUCTION TO CULINARY ARTS CP (ARHS, FDHS, SHS) 572200CW Unit: 1
Grades: 9 - 10
Prerequisite: None
Recommended Maximum Enrollment: 24
Introduction to Culinary Arts Management provides students with an overview of interest, aptitude, and technical skills to provide foundational skills and knowledge for Culinary Arts 1 and/or the food service industry. Integration of the Family and Consumer Sciences student organization, Family Career and Community Leaders of America (FCCLA) provides leadership and entrepreneurship experiences. Participation in the career & technology organization SkillsUSA provides the students with the opportunity to compete and display professional baking techniques

CULINARY ARTS MANAGEMENT 1 CP (ARHS, FDHS, SHS) 572000CW Unit: 1
Grades: 10 – 11 (16 years or older by September 1 – due to the use of industrial equipment)
Prerequisite: None
Recommended Maximum Enrollment: 24
Culinary Arts Management 1prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities. Laboratory experiences simulate commercial food production and service operations. Integration of the Family and Consumer Sciences student organization, Family Career and Community Leaders of America (FCCLA) provides leadership and entrepreneurship experiences. Participation in the career & technology organization SkillsUSA provides the students an opportunity to compete and display professional baking techniques.

CULINARY ARTS MANAGEMENT 2 CP (ARHS, FDHS, SHS) 572100CW Unit: 1
Grades: 11-12 (16 years or older by September 1 – due to the use of industrial equipment) Prerequisites: Culinary Arts 1 CP
Recommended Maximum Enrollment: 24
Culinary Arts Management 2 is an advanced level course that prepares the serious culinary student for gainful employment and/or entry into postsecondary education. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career options. Students have opportunities to develop skills in workplace settings. Integration of the Family and Consumer Sciences student organization, Family Career and Community Leaders of America (FCCLA) provides leadership and entrepreneurship experiences. Participation in the career & technology organization SkillsUSA provides the students an opportunity to compete and display professional baking techniques.

CULINARY ARTS 1 CP (DCCTC) 572000CD Units: 2
Grades: 10-12
The DCCTC Culinary Arts Program is a fast forward program, allowing students to EARN COMPLETER CERTIFICATION IN 1 YEAR (STUDENTS CAN EARN 4 HIGH SCHOOL CREDITS IN 1 YEAR BY COMPLETING LEVELS 1 & 2). This course is a Gold Level ProStart Program that gets students ready to enter the constantly growing Hospitality Industry. Students will learn how to make everything from scratch, including

biscuits, muffins, yeast breads, pizzas, pastas, cookies, soups, stocks, and sauces. Also, students will learn many different cooking techniques to get you started on a Culinary Career in a fully equipped industrial kitchen. Students will work hands on to learn safety, sanitation and real-world applications that will benefit in their job search. This class is always up, moving and eating and is like no other high school class you have ever experienced. The program requires a $20.00 lab fee. A basic food and nutrition course is helpful but NOT required.

CULINARY ARTS 2 CP (DCCTC) 572100CD Units: 2

Grades: 10-12

Prerequisite: Culinary Arts 1 with a grade of 71 or higher

The DCCTC Culinary Arts Program is a fast forward program, allowing students to EARN COMPLETER CERTIFICATION IN 1 YEAR (STUDENTS CAN EARN 4 HIGH SCHOOL CREDITS IN 1 YEAR BY COMPLETING LEVELS 1 & 2). This course is a Gold Level ProStart Program that continues from what students learned in Culinary Arts 1. After completion of Culinary Arts 2, students will be given the opportunity to achieve up to 12 college credit hours at The Culinary Institute of Charleston at Trident Technical College. In this course, students will continue their cooking adventure by learning to grill, sauté, deep fry, pan fry, braise, broil, poach, steam, boil and flambé, applying these techniques on steaks, chicken, fish, pork, shrimp and other shellfish. Students will learn to make the proper accompaniments to complete the meal with risottos, pastas, vegetables, and sauces. Proper table service techniques are mastered by serving meals in the class and at school events. Students can gain experience in safety and sanitation and achieve the National ServSafe Employee Level Certification as well as the opportunity to be a National ProStart Completer both of which will be assets in the culinary field. This career field's current salary range in South Carolina is $8.83 to $16.79 per hour (www.onetonline.org). The instructor also choses one students to represent DCCTC at the SkillsUSA culinary arts state level competition. There is a $20.00 lab fee and students need to keep their jacket and hat from Culinary Arts 1.

BAKING AND PASTRY CP (ARHS, FDHS, SHS) 5723000CW Units: 2

Grades: 10 – 12 (16 years or older by September 1 – due to the use of industrial equipment)

Prerequisite: Culinary Arts 1 CP

Recommended Maximum Enrollment: 24

The DCCTC Baking and Pastry Program is a fast forward program, allowing students to EARN COMPLETER CERTIFICATION IN 1 YEAR (STUDENTS CAN EARN 4 HIGH SCHOOL CREDITS IN 1 YEAR BY COMPLETING CULINARY ARTS 1 & BAKING & PASTRY). This course uses the basic techniques of measuring & baking that the student learned in Culinary 1 to advance their knowledge of the different types of doughs, pies, pastries, cakes, custards and sauces to mention a few. Students will learn to plate and garnish their delectable desserts and baked goods. Students will use formulas to create their baked goods and understand the actions that happen to make the recipe a success. The student will taste most of the ingredients in their natural state and then taste the ingredient in the finished product to better understand how to create their own recipes when they enter the industry. Students will make, display, and serve desserts for certain events hosted at our school to give them a real-world experience. The instructor also choses one student to represent DCCTC at the SkillsUSA baking and pastry state level competition. This career field's current salary range in South Carolina is $8.88 to $17.10 (www.onetonline.org). There is a $20.00 lab fee.

HOSPITALITY & TOURISM INTERNSHIP, WORK-BASED LEARNING CP (ARHS, FDHS, SHS) 519000CD Unit: 1

Grades: 11 -12

Prerequisite: Completion of two (2) CTE courses/credits within a program

Hospitality and Tourism work-based course is a structured, stand-alone course that is taken in a CTE classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course guide must be followed to award the Carnegie unit of credit upon successful completion of the course.

HOSPITALITY AND TOURISM, INTERNSHIP, WORK-BASED LEARNING CREDIT CP (DCCTC)
519000C Unit: 1

Grades 11- 12
Prerequisite: Completer of career and technology program at DCCTC in Culinary Arts and instructor recommendation
The hospitality and tourism work-based learning course allows students to be placed in a position in the food service industry and receive high school credit and on the job experience. They can use this experience on their resume and can be hired permanently at their placement. This also gives students the opportunity for early enrollment at the Trident Technical College Culinary Institute, which allows them to begin college classes while they are still in high school. Students may also continue working in our culinary arts lab in a Sous Chef (2nd in command) position while performing demonstrations and learning leadership skills. Students should express their interest in enrolling to their instructor and counselor. A $20 lab fee is required for this course.

HUMAN SERVICES

COSMETOLOGY 1 CP (DCCTC) **615000CD** **Units: 2**
COSMETOLOGY 2 CP (DCCTC) **615100CD** **Units: 2**
Grade: 10-11
Prerequisite for Cosmetology 2: Students must have a grade of 75 or higher in Cosmetology and a minimum of 500 clock hours. Daily attendance is necessary for reaching the required Cosmetology State Board hours. Students are only allowed 5 absences per semester. Daily attendance is necessary for reaching the required Cosmetology State Board hours. Students are only allowed 5 absences per semester.

Cosmetology is the scientific study of the hair, nails, and skin. The course is designed to teach the student the basics of how to care for, cut, style, and chemically change the hair. The course also teaches the student the basic care of the skin and nails, which includes application of makeup and nail artistry. The first and second nine weeks are spent in the classroom training, with work being done on mannequins.
Students are required to purchase a cosmetology kit through the school for each year of the program, which is approximately $195 ($20 lab fee included/fee is subject to change each year). State ID and Social Security card as well as required fees are due within the first 10 days of enrollment.

COSMETOLOGY 3 CP (DCCTC) **615200CD** **Units: 2**
COSMETOLOGY 4 CP (DCCTC) **615300CD** **Units: 2**
Grades: 11-12
Prerequisite for Cosmetology 3: Cosmetology 2 with a grade average of 75 or higher and a minimum of 500 clock hours.
Prerequisite for Cosmetology 4: Cosmetology 3 with a minimum grade average of 75 or higher and a minimum of 740 clock hour.
Daily attendance is necessary for reaching the required Cosmetology State Board hours. Students are only allowed 5 absences per semester. Completer requirements: 1,000 Cosmetology hours and 540 Academic hours equaling 1,540 hours required and a minimum of 8 units to be a completer.

This course is a basic overview of Cosmetology 1 with emphasis on clinical work. Students will do clinical work on mannequins and clients. The clinical work will incorporate hair coloring, hair styling, hair cutting, facials, hair removal, and permanent waving. Cosmetology 1, 2, 3 and 4 are designed to teach and prepare students for the Cosmetology State Board Exam at the end of the senior year. Successful completion of 1,000 training hours and both written and practical portions of the State Board of Cosmetology exam results in State Certification as a Licensed Cosmetologist. Students will be required to purchase a $170 kit restocking fee ($20 lab fee included) for this course and are responsible for the cost of the state board exam, which is $175 (fees are subject to change). Students are also required to have a state picture ID, social security card and required fees within the first 10 days of enrollment in this course. This career field's current salary range in South Carolina is $8.13 to $23.00 per hour (www.onetonline.org).

NAIL TECHNOLOGY 1CP ((NAIL DESIGNS AND TECHNOLOGY) (DCCTC)
615401CD **Units: 2**
NAIL TECHNOLOGY 2 CP (NAIL DESIGNS AND TECHNOLOGY) (DCCTC)
615501CD **Units: 2**
Grades: 11-12
Daily attendance is necessary for reaching the required Cosmetology State Board hours. Students are only allowed 5 absences per semester.

This course is designed to prepare students to become licensed nail technologists. Students learn the art and science of nail technology that includes designing nails, adding extensions, acrylics, gels, wraps and dip powder

application. This is a one-year course, and upon successful completion of 300 training hours and passing the State Board of Nail Technology written and practical exams, students will
receive their Nail Technologist license. This career field's current salary range in South Carolina is $9.23 to $25.13 (www.onetonline.org). Students must have a nail technology kit purchased through the school, which is approximately $170 (includes $20 lab fee) and is subject to change each year. Students are also responsible for the cost of the state board exam, which is $175 (fee is subject to change). Students are also required to have a state picture ID and a social security card as well as the required fees within the first 10 days of enrollment in this course.

HUMAN SERVICES INTERNSHIP, WORK-BASED LEARNING CREDIT CP (DCCTC)
579000CW Unit: 1

Grade: 12
Prerequisite: Senior and completer of a DCCTC career and technology program in cosmetology or nail technology and instructor recommendation
Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in this course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. A $20 lab fee is required for this course.

INFORMATION TECHNOLOGY

Information Technology cluster includes courses and/or programs related to designing, developing, managing, and operating communication and information technology networks and related hardware and software for the recording, storage, transformation, transmission and distribution of voice, video, images, and data including both telecommunications and computing services. Information Technology careers involves the design, development, support, and management of hardware, software, multimedia, and systems integration services. Technological advances and global competition have transformed the nature of work. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers than ever before. Tomorrow's workers must be prepared to change jobs and careers several times.

FUNDAMENTALS OF COMPUTING CP (EXPLORING COMPUTER SCIENCE-NAME CHANGE)
502300CW Unit: 1

Grades: 9 -12 (Preference 9 - 10)
Prerequisite: IT Cluster declared on IGP or Algebra I (or equivalent), and/or teacher recommendation
Recommended Maximum Enrollment: 24
Exploring Computer Science introduces students to the field of computer science through an exploration of engaging and accessible topics. Rather than concentrating entirely on learning particular software tools or programming languages, students focus on the conceptual ideas of computing and get an understanding of the tools and languages that might be used to solve problems. The goal of Exploring Computer Science is to develop students' problem solving and critical thinking skills within the context of problems that are relevant to their lives. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

WEB PAGE DESIGN AND DEVELOPMENT VP 503100CW Unit: 1
Grades: 10 -12
Prerequisite: Keyboarding 5100 or (SCDE State Proficiency Test)
Recommended Maximum Enrollment: 24
This course is designed to provide students with the knowledge and skills needed to design and develop websites. Students will attain skills in designing, implementing, and maintaining websites using authoring tools.

ADVANCED WEB PAGE DESIGN AND DEVELOPMENT CP 503300CW Unit: 1
Grades: 11- 12
Prerequisite: Web Page Design and Development 1
Recommended Maximum Enrollment: 24
This advanced course is designed to provide students with the knowledge and skills necessary to pursue careers in web design and development. Students will develop skills in advanced HTML and CSS coding, scripting, layout techniques, and other industry-standard practices. In Advanced Web Design and Development, students must be able to edit source code directly rather than using a WYSIWYG editor.
NOTE: Websites created by students in this course are not to be published without following district guidelines.
Available Certification: CIW Web Foundations Associate and Adobe Certified Associate.

INFORMATION TECHNOLOGY INTERNSHIP, WORK-BASED LEARNING CP
539000CW Unit: 1

Grades: 11-12
Prerequisite: Completion of two (2) CTE courses/units within a program
Recommended Maximum Enrollment: None
The information Technology work-based is a structured, stand-alone course that is taken in a CTE Classification of instructional Programs (CIP)-coded program. Each work-based learning credit (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must

be followed to award the Carnegie unit of credit upon successful completion of the course.

AP COMPUTER SCIENCE A (FDHS ONLY) 477100AW Unit: 1
Grades: 9 – 12
Prerequisite: Basic English and Algebra 1
Recommended Maximum Enrollment: None
Using the object-oriented programming language Java, students will write both structured and object-based software applications. The emphasis will be placed on creating classes of objects, methods that operate their data, inheritance, and class associates. Topics to be covered include arrays, classes and object-based programming, techniques, searching and sorting algorithms, and an introduction to algorithm analysis. Students who successfully master all requirements of this course should be prepared to take the College Board Advanced Placement Computer Science "A" Exam.

AP COMPUTER SCIENCE PRINCIPLES (FDHS AND ARHS) 477500AW Unit: 1
Grades: 9 -12
Prerequisite: Algebra 1
Recommended Maximum Enrollment: None
This course introduces students to the central ideas of computer science, inviting student to develop the computational thinking vital for success across multiple disciplines. The course is unique in its focus on fostering students to be creative and encouraging students to apply creative processes when developing computational artifacts. Students design and implement innovative solutions using an iterative process like what artists, writers, computer scientists, and engineers use to bring ideas to life. Students who successfully master all requirements of this course should be prepared to take the College Board Advanced Placement Computer Science Principles Exam.

Informational Technology Dual Credit Courses

Dorchester School District Two has partnered with ECPI University to offer dual credit opportunities to our students. Completion of coursework may result in students having the following professional opportunities upon graduation: Routing Specialist, Networking Specialist, and Electronics Sales Representative. If students choose to continue and receive additional training by earning a two-year degree, they may have the following professional opportunities: Telecommunications Manager, LAN Administrator, and Network Technician. By completing a four-year degree or higher students may have the following professional opportunities: Telecommunications Engineer, Network Administrator, Network Systems Engineer, and Systems Analyst. School counselors encourage students who are interested in the Information Technology career cluster of study to take advantage of accessing coursework in this field.

Information Technology (Nationally Recognized)
Major: Networking Systems – (NS)
Major: Information Support and Services (ISS)
Major: Programming and Software Development (PSD)

Careers in Network Systems involve network analysis, planning, and implementation, including design, installation, maintenance, and management of network systems. Individuals in Networking Systems design and manage sets of computers called network systems that are connected to each other or to one main computer. They also develop and install network software operating system, and hardware. Available certifications include:

INTRODUCTION TO OPERATING SYSTEMS **532000EW (CIS106) ECPI Unit: 1**

Grades: 10 – 12

This course introduces the major hardware/software components of computer-based operating systems. (NS, ISS, and PSD)

NETWORK SECURITY CONCEPTS **676200EW (CIS 212) ECPI Unit: 1**

Grades: 10 -12

Prerequisite: CIS150

The course conducts an overview of networking, network communications, network security, and basic troubleshooting methodologies to identify and resolve common network connectivity problems, common vulnerabilities, and network performance problems. (NS)

NETWORKING 1 **675900EW (CIS 150) ECPI Unit: 1**

Grades: 10 - 12

This course focuses on an introduction to networking technology and its implementation. The course conducts an in-depth examination of microcomputer setup and troubleshooting skills, networking implementation, networking troubleshooting, basic security implementation, basic security troubleshooting, interpersonal communication skills and personal management, introduction to topologies for different types of networks, familiarity of connectivity devices, and various LAN and WAN services. (NS)

UNIX ADMINISTRATION **676100EW (CIS 206) ECPI Unit: 1**

Grades: 10 - 12

This course provides the student with knowledge and understanding of UNIX using a generic platform operating system. Topics covered include operating system architecture, system customization, and mounting, unmounting, and basic network administration including administering user accounts, problems diagnostics, system commands, and utilities. (NS)

NETWORKING 2 **676000EW (CIS- 225) ECPI Unit: 1**

Grades: 10 - 12

Prerequisite: CIS150

The course conducts an overview of networking, network communications, network security, and basic troubleshooting methodologies to identify and resolve common network connectivity problems, common vulnerabilities, and network performance problems. (NS)

SOFTWARE LOGIC AND DESIGN **675000EW (CIS 121) ECPI Unit: 1**

Grades: 10 -12

This course introduces students to programming fundamentals, environments, and planning tools. Topics include introductions to computer architecture, code translators, primitive data types, data organization, and flowcharting. Emphasis is placed on modeling processes using structured, procedural logic. (ISS and PSD)

CLOUD COMPUTING CONCEPTS **675100EW (CIS-142) ECPI Unit: 1**

Grades: 10 - 12

This course introduces cloud computing architecture and security concepts. Students will learn about the benefits of cloud computing, cloud characteristics, cloud models and solutions along with deployment methods. Students will also gain an understanding of hardware, storage, thin clients, and virtualization in the cloud. Students will implement cloud security fundamentals using virtualization security management. Upon successful course completion, students will understand current cloud computing technologies and environments. (ISS)

COMPUTER CONFIGURATION 1 **675200EW (EET-250) ECPI Unit: 1**

Grades: 10 - 12

This course provides a basic understanding of the current state of computer organization. Students will learn about memory types, basic CPU architecture, memory access, supporting bus systems and I/O ports. Students are introduced to detailed procedures of installation, configuration, and upgrade of personal computers. Upon successful course completion, students will be able to troubleshoot, maintain and repair PCs. (ISS)

COMPUTER CONFIGURATION 2 **675300EW (EET-251) ECPI Unit: 1**

Grades: 10 - 12

Course Description: This course covers computer peripheral devices. Students will learn about the operation, installation, configuration, maintenance, and repair of these devices. Upon successful course completion, students will be able to address safety and environmental concerns as they relate to peripheral devices. (ISS)

LAW, PUBLIC SAFETY & SECURITY

FIRE FIGHTER 1 CP (DDCTC) **651200CD** **Units: 2**

Grades: 10-12

This course provides the basic skills necessary to get Firefighting personnel operational and performing the duties to save lives and property. Students will learn firefighter orientation and safety; fire behavior; portable extinguishers; protective equipment; search and rescue; ladders, fire hose, ropes, and knots; building construction; and fire prevention and public education. This course satisfies the intent of the IFSTA (International Fire Service Training Association) standards for basic Firefighting. Successful completion of written and performance testing is required. Students in this course will have the opportunity to participate in the AINautics drone pilot training class. Upon successful completion of this training and passing of the national exam, students can obtain the Federal Aviation Authority (FAA) Remote Drone Pilot license. A $20 lab fee is required for this course.

FIRE FIGHTER 2 CP (DCCTC) **651300CD** **Units: 2**

Grades: 10-12

Prerequisite: Emergency & Fire Management Services 1 with a grade of 71 or higher

This course provides students with the knowledge and skills to meet the National Firefighter Standards of NFPA 1001. Subjects include fire streams, interior fire control, forcible entry, ventilation, salvage, overhaul, water supply, wild land firefighting and communications. Successful completion of written and performance testing is required. This career field's current salary range in South Carolina is $10.45 to $25.28 per hour (www.onetonline.org). A $20 lab fee is required for this course.

LAW ENFORCEMENT I CP (DCCTC) **651000CD** **Units: 2**

Grades: 10-11

Law Enforcement I is an introductory level course designed to teach entry level requirements of a police officer. Instruction will include hands-on police drills, demonstration, and some lecture. Students will learn the duties and responsibilities of the police, court, and corrections. Included in this course are the historical development of the system and the study of landmark Supreme Court decisions that impact criminal justice. Students will participate in demonstrations of search and arrest techniques, Finger printing and gain an understanding of forensic science and how it is used in the field, along with investigative procedures used to solve crimes. Students will be required to wear a uniform and participate in physical exercises. Students in this course will have the opportunity to participate in the AINautics drone pilot training class. Upon successful completion of this training and passing of the national exam, students can obtain the Federal Aviation Authority (FAA) Remote Drone Pilot license. A $20 lab fee is required for this course.

LAW ENFORCEMENT 2 CP (DCCTC) **651100CD** **Units: 2**

Grades: 11-12

Prerequisite: Law Enforcement 1 with a grade of 71 or higher

Law Enforcement 2 is a continuation of Law enforcement 1, focusing on more advanced police officer techniques. Instruction will include more hands-on drills, demonstrations, and some lectures. Students will learn report writing, felony traffic stops, testifying in court and many more police scenarios. Students will have the opportunity to become CPR certified in this course. Guest speakers from the law enforcement field will speak to students about their professions. Students will be required to wear a uniform and participate in physical exercise. This career field's current salary range in South Carolina is $15.04 to $28.59 per hour (www.onetonline.org). A $20 lab fee is required for this course.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY INTERNSHIP, WORK BASED LEARNING CP (DCCTC) **659000CW** **Unit: 1**

Grades 11- 12

Prerequisite: Completer of career and technology program at DCCTC in Emergency and Fire Management Services or Law Enforcement and instructor recommendation

Students who have completed a career and technology program at DCCTC and desire work experience in a field related to emergency and fire management services or law enforcement can choose to further enhance their skills by enrolling in our work-based learning course. Students will learn daily duties and participate in in-house training and public service events. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. Students will have the opportunity to join the Dorchester Dust Devils, DCCTC's clay sports team. A $20 lab fee is required for this course.

MANUFACTURING

Many Manufacturing jobs are so specialized, they require high levels of skills and training. Manufacturing is a highly competitive industry that continues to grow in South Carolina.

The standards listed are intended to serve as guides to assist teachers and administrators in providing an instructional program that is current and relevant. The Manufacturing skill standards address what a worker needs to know and be able to do to contribute to a safe, productive, and effective work environment. Students will be properly prepared for their careers when the standards are integrated with quality instructional techniques. The standards provide a secure foundation for future training in the student's career.

Basic Technical Knowledge, Skills Safety and Soft Skills

MACHINE TECHNOLOGY 1 CP (DCCTC) **623000CD** **Units: 2**
Grades 10-12
This course provides classroom instruction and lab experiences related to metalworking. It focuses on the operation of equipment such as the lathe, milling machine, grinders, drilling machines, precision measuring instruments and hand tools. Blueprint reading and math are important parts of the course. Students who register for this course should enjoy working with machines and making metal projects. A $20 lab fee is required for this course.

MACHINE TECHNOLOGY 2 CP (DCCTC) **623100CD** **Units: 2**
Grades:10-12
Prerequisite: Machine Technology 1 with a grade of 71 or above
This course includes advanced instruction machining metal. The course focuses on milling machines, boring and drilling, the use of vertical and horizontal boring and drilling machines, basic study of CNC equipment and CNC code, job seeking, public relations and manufacturing facilities. Students may be eligible to participate in cooperative work experiences or apprenticeships, which combine career and technology training with supervised work experience in business and industry. This career field's current salary range in South Carolina is $13.29 to $26.39 per hour (www.onetonline.org). A $20 lab fee is required for this course.

Mechatronics Integrated Technologies Pathway

MECHATRONICS 1 CP: Electrical Components/Industrial Safety **621000CW** **Unit: 1**
MECHATRONICS 2 CP: Mechanical Components Electric Drives/Hand and Power Tool Operations **621100CW** **Unit: 1**
MECHATRONICS 3 CP: Electro Pneumatics and Hydraulics **621200 CW** **Unit 1**
MECHATRONICS 4 CP: Digital Fundamentals and Programmable Controllers **621300 CW** **Unit 1**

Grades: 9 – 12
Prerequisite: Contren® Core Modules, Introduction to Manufacturing, Courses are offered in sequential order
Recommended Maximum Enrollment: 24
Mechatronics is a new interdisciplinary field involving electrical, mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. The program prepares students who enjoy working with their hands as well as understanding simple to complex systems. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-

level industrial skills and entry into a postsecondary program at a technical college. Dual credit may be available through some SC technical colleges. Work Readiness Skills are listed in appendix A.
Provided a student takes Introduction to Construction and scores 70% on all assessments (00101-8-15), he or she does not have to repeat these modules in HVAC, Building Construction, Cabinetmaking, Carpentry, Electricity, Masonry, Mechatronics, Plumbing, and Welding

MANUFACTURING INTERNSHIP, WORK-BASED CREDIT CP 649000CD Unit: 1
Grade Level: 11 - 12
Prerequisite: Completion of two (2) CTE courses within a program
Recommended Maximum Enrollment: None
Manufacturing work-based course is a structured, stand-alone course that is taken in a CTE Classification of Instructional Programs (CIP)-coded program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

WELDING TECHNOLOGY 1 CP (DCCTC) 634000CD Units: 2
Grades: 10-12
Sites DCCTC Dorchester (Fall semester only) & DCCTC Trolley Road Prerequisite: Foundations and Structure of Algebra
Welders join metals using intense heat produced by electric arcs and special gases. Parts are fabricated and welded to produce structures such as buildings, ships, and bridges. This course will help students learn basic skills in the art of shielded metal arc as well as oxyacetylene cutting. Measurement and layout procedures are introduced along with proper tool usage and equipment safety. Students taking this course should enjoy physical activity, being creative, and doing detailed work. A $20 lab fee is required for this course.

WELDING TECHNOLOGY 2 CP (DCCTC) 634100CD Units: 2
Grades: 10-12
Prerequisite: Welding Technology 1 with a grade of 71 or higher
Students completing this second semester welding program will have sufficient skills to gain entry-level employment in the job market. These skills include advanced techniques in shielded metal arc, v-grove, gas metal arc, and flux core arc welding, oxyacetylene cutting, plasma arc cutting, basic blueprint reading, identification of metal types, and layout and fabrication procedures. This career field's current salary range in South Carolina is $13.86 to $29.47per hour (www.onetonline.org). A $20 lab fee is required for this course.

WELDING TECHNOLOGY 3 CP (DCCTC) 634200CD Units: 2
Grade: 12
Prerequisite: Welding Technology 2 (grade of 85 or higher and instructor recommendation)
Welding 3 requires that the student must have passed Level 2 with an average of 85 and have the instructor's recommendation. Students will further their welding skills in v-groove welds in all positions and fabrication of small projects. Projects will be awarded per instructor's discretion and student's skills level. Student's instruction will be geared toward on the job placement in welding. The student may be eligible for DCCTC's LIFE program (Learners in Field Experiences). A $20 lab fee is required for this course.

WELDING TECHNOLOGY 4 CP (DCCTC) 634300CD Units: 2
Grade: 12
Prerequisite: Welding Technology 3 (grade of 85 or higher and instructor recommendation)
The Welding 4 students will focus on fabrication and job placement. The student will sharpen their welding skills, employability skills, communication, and soft skills as well as visit job sites, send applications, and prepare for interviews in preparation for a job through the LIFE program. Students must have ID and dependable transportation as well as their own welding personal protective equipment (PPE). The student may be eligible for the LIFE program. A $20 lab fee is required for this course.

MANUFACTURING INTERNSHIP CP (DCCTC) 49000CW Unit: 1

Grade: 12

Prerequisites: Senior and completer of a Welding career and technology program at DCCTC and instructor recommendation

Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a work-based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites.

MANUFACTURING INTERNSHIP, WORK-BASED CREDIT CP (ARHS, FDHS, SHS)

49000CW Unit: 1

Grade: 11-12

Prerequisites: Senior and completer of a Welding career and technology program at DCCTC and instructor recommendation

Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a work-based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites.

MARKETING

The Marketing cluster includes courses and/or programs related to planning, managing, and performing wholesaling and retailing services and related marketing and distribution support services including merchandise/product management and promotion.

There are thousands of challenging educational and training opportunities within the high- skilled world of Marketing. Learners need a solid background in communication, math, and technical skills. Education and training can be obtained in high school, technical colleges, and four-year colleges and universities. Learners participate in relevant education opportunities framed in the context of the cluster. They gain knowledge and skills through coordinated workplace learning experiences such as site visits, job shadowing, and internships. According to the latest statistics, there are 16 million jobs in sales and related occupations. Advertising, marketing, promotions, public relations and sales managers hold more than 700,000 jobs. Employment opportunities for retail salespeople are expected to be good. Individuals with a college degree and/or computer skills will be sought for managerial positions in sales, logistics, management information systems, marketing, and e-marketing. A background in marketing will provide transferable skills and knowledge for other fields of study as well.

MARKETING CP **542100CW** **Unit: 1**
Grades: 9-12
Prerequisite: None
Recommended Maximum Enrollment:
Marketing introduces students to the world of marketing. Students will learn about marketing fundamentals, economics, and the Marketing functions of price planning and strategies, promotion, selling, and product distribution. Creativity, problem-solving, research, teamwork, communication, and critical thinking skills are stressed. A coherent, comprehensive marketing plan will be the cumulative project which will demonstrate skills marketing students learned in the course. This is the fundamental course in all the Marketing programs and should be taken before specialized marketing courses.

DIGITAL MARKETING CP **542200CW** **Unit: 1**
Grades: 11-12
Prerequisite: Marketing
Recommended Maximum Enrollment: 24
Digital Media Marketing is an overview of techniques in digital marketing media, including non-linear editing introducing students to the primary feature set and basic interface of industry standard editing software. Students will plan and execute a storyboard for producing their final product, to include podcasts, DVDs, video blogs, and webcasts. Students learn to demonstrate basic digital video camera technique, digital sound, and lighting. In addition, students will perform basic editing functions while familiarizing themselves with the software's user interface. Topics include basic setup, adjusting and customizing preferences and settings, capturing video and audio, various editing and trimming techniques, audio editing and audio creation, finishing and final output.

SPORTS AND ENTERTAINMENT MANAGEMENT CP **542600CW** **Unit: 1**
Grades: 11, 12
Recommended Maximum Enrollment: 24
Prerequisite: Marketing
Students will apply concepts learned in Sports and Entertainment Marketing and study the keyconcepts in management and managerial principles as related to the sports and entertainment industry. Topics that will be addressed include leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, change management, and career development.

MARKETING INTERNSHIP, WORK-BASED CREDIT CP 509100CW Unit: 1

Grades: 11, 12

Prerequisite: Completion of two (2) CTE courses/unites withing a program

Marketing Internship is a structured work-based credit bearing course that is taken as a fourth unit in a three- or four-unit CTE completer program. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work- Based Learning Implementation Guide must be followed to award one Carnegie unit of credit upon successful completion of the course. This course **will not** count as the third unitin the three-unit completer pathway.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Project Lead the Way (PLTW) Gateway to Technology (GTT) courses feature a project-based curriculum designed to challenge and engage the natural curiosity and imagination of middle school students. The ten courses listed below envision, design and test ideas with the same advanced modeling software used by companies like Lockheed Martin, Intel and Sprint. The knowledge that students gain and the skills they build from the GTT courses create a strong foundation for further Science, Technology, Engineering, and Mathematics (STEM) learning in high school and beyond.

Project Lead the Way (PLTW) Engineering Pathway

PLTW INTRODUCTION TO ENGINEERING DESIGN, LEVEL 1 (HONORS) (IED)
Grades: 9 -12 **609510HW** **Unit: 1**
Prerequisites: None
Recommended Maximum Enrollment: 24
to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and document their work in an engineering notebook.

PLTW PRINCIPLES OF ENGINEERING, LEVEL 2 (HONORS) (POE) 605000HW **Unit: 1**
Grades: 10 -12
Prerequisites: Introduction to Engineering Design (IED)
Recommended Maximum Enrollment: 24
Through problems that engage and challenge students, they explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

PLTW AEROSPACE ENGINEERING (HONORS) (AE) **605600HW** **Unit: 1**
Grades: 10 -12
Prerequisites: Introduction to Engineering Design (IED), Principles of Engineering (POE) or Teacher Recommendation
Recommended Maximum Enrollment: 24
This PLTW course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software and explore robot systems through projects such as remotely operated vehicles.

PLTW- ENGINEERING ESSENTIALS (HONORS) (EE) **614400HW** **Unit: 1**
Grades: 9-10
Recommended Maximum Enrollment: 24
Prerequisite: None
Engineering Essentials is a brand-new course designed as a first-exposure experience to inspire students of all backgrounds to explore the breadth of engineering-related career opportunities. Throughout the course, students explore global engineering challenges and sustainability goals, the impact of engineering, and the variety of career paths available to them. Engineering Essentials is geared toward a first-year engineering high school student.

PLTW ENVIRONMENTAL SUSTAINABILITY (HONORS) (ES) **605703HW** **Unit: 1**
Grades: 10 -12
Prerequisites: Introduction to Engineering Design (IED), Principles of Engineering (POE) or Teacher

Recommendation
Recommended Maximum Enrollment: 24
This PLTW course develops students' thinking skills and prepares them for emerging careers through topics such as genetic engineering, biofuels, and bio manufacturing.

PLTW CIVIL ENGINEERING AND ARCHITECTURE, LEVEL 4 (HONORS) (CEA)
Grades: 10 -12 **605800HW** **Unit: 1**
Prerequisites: Introduction to Engineering Design (IED), Principles of Engineering (POE) or Teacher Recommendation
Recommended Maximum Enrollment: 24
Students learn important aspects of building and site design and development, applying math, science, and standard engineering practices to design both residential and commercial projects. They document designs using 3D architecture design software. Some students have seen these designs come to life through partnerships with local housing organizations.

PLTW DIGITAL ELECTRONICS, LEVEL 3 (HONORS) (DE) **605200HW** **Unit: 1**
Grades: 10 -12
Prerequisites: Introduction to Engineering Design, Principles of Engineering or Teacher Recommendation
Recommended Maximum Enrollment: 24
From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry including logic gates, integrated circuits, and programmable logic devices.

PLTW ENGINEERING DESIGN AND DEVELOPMENT (HONORS) (EDD) - CAPSTONE COURSE
605400HW **Unit: 1**
Grades: 11-12
Prerequisites: Introduction to Engineering Design, Principles of Engineering or Teacher Recommendation
Recommended Maximum Enrollment: 24
The knowledge and skills student acquire on the “Pathway to Engineering” come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards. Completing EDD prepares students to be ready to take on any post-secondary program or career.

PLTW PRE-ENGINEERING, INTERNSHIP, WORK-BASED LEARNING CREDIT (HONORS)
609000HW **Unit: 1**
Grades: 11-12
Prerequisite: Completion of two (2) CTE courses/units within a program Science, Technology, Engineering, and Mathematics
Recommended Maximum Enrollment: NA
Mathematics work-based course. Each work-based learning (credit bearing) course has an assigned CTE course code. The guidelines listed in the CTE Work-Based Learning Implementation Guide must be followed in order to award the Carnegie unit of credit upon successful completion of the course.

TRANSPORTATION, DISTRIBUTION, & LOGISTICS

AUTOMOTIVE COLLISION REPAIR 1 CP (DCCTC) 602000CD Units: 2

Grades: 10-12

This course is designed to instruct students in the repair and refinishing with some restoration of today's vehicles using specialized tools and equipment. Areas of study will include automotive construction and restoration, body shop operations, safety, automotive tools, and equipment, refinishing and customizing preparations, simplified metal straightening and repairs, abrasives, automotive paints, and paint applications equipment. Students will also be trained in the process of powder coating.

Students interested in this field should enjoy the challenge of working with their hands to repair, remodel and customize automobiles and trucks. Students in this course will have the opportunity to participate in the AINautics drone pilot training class. Upon successful completion of this training and passing of the national exam, students can obtain the Federal Aviation Authority (FAA) Remote Drone Pilot license. A $20 lab fee is required for this course.

AUTOMOTIVE COLLISION REPAIR 2 CP (DCCTC) 602100CD Unit: 2

Grades: 10-12

Prerequisite: Automotive Collision Repair 1 with a grade of 71 or higher

Students in the second year will enhance their abilities to repair and customize from Auto Collision 1. They will "MIG" weld, use a plasma cutting torch, plastic welding and use of fiberglass, operate a unitized bench repair system, operate a downdraft paint booth, and refinish a vehicle using computerized paint mixing equipment. The student will use the latest in base/clear and urethane refinishing systems and will perform powder coating on various metals. The student will develop the attitudes, knowledge, and skills required in today's workplace. This career field's current salary range in South Carolina is $10.42 to $34.48 per hour (www.onetonline.org). A $20 lab fee is required for this course.

AUTOMOTIVE COLLISION REPAIR 3 CP (DCCTC) 602200CD Units: 2

Grades: 11-12

Prerequisite: Automotive Collision Repair 2 with a grade of 80 or higher

In Automotive Collision Repair 3, students who have completed Auto Collision 2 are able to be placed on a job with a company in the auto collision industry under an apprentice status. Students receive credit for the class by working in an auto collision shop for a minimum of 3 hours per day. If a job is not available, students will work with the instructor as a class apprentice allowing students to help with setting up projects and assisting with Level 1 and 2 students. A $20 lab fee is required for this course.

AUTOMOTIVE COLLISION REPAIR 4 CP (DCCTC) 602300CD Units: 2

Grades: 11-12

Prerequisite: Automotive Collision Repair 3

In Level 4, students who have completed Auto Collision 3 are able to be placed on a job with a company in the auto collision industry under an apprentice status. Students receive credit by working in an auto collision shop for a minimum of three hours per day and will utilize their skills to do body repairs and paint repairs. If a job is not available, students will work at DCCTC with the instructor as a class apprentice. These students will also assist the instructor in managing the students and be involved with more in-depth projects. A $20 lab fee is required for this course.

AUTOMOTIVE TECHNOLOGY 1 CP (DCCTC) 603000CD Units: 2

Grades: 10-12

This course provides instruction in the components, systems, and repairs related to maintenance and light repairs on modern automobiles. The students learn to identify parts, explain system operations, and perform complete common service operations on braking systems, steering and suspension systems, and engine and

transmission systems. Upon successful completion of all course objectives, the student should be qualified for an entry-level position in an automotive quick service business where minimal training and experience are required, or the continuation of training by enrollment in Automotive Technology 2. It is strongly recommended that the students have a valid driver's license for this class. Students in this course will have the opportunity to participate in the AINautics drone pilot training class. Upon successful completion of this training and passing of the national exam, students can obtain the Federal Aviation Authority (FAA) Remote Drone Pilot license. A $20 lab fee is required for this course.

AUTOMOTIVE TECHNOLOGY 2 CP (DCCTC) 603100CD Units: 2

Grades: 10-12

Prerequisite: Automotive Technology 1 with a grade of 75 or higher and teacher recommendation

This course refines skills in areas including brakes and MLR (Maintenance and Light Repair). Working closely with the Automotive Service Excellence (A.S.E.) standards, second semester students receive intense training in these subjects. This also offers students a greater chance in passing the A.S.E. test (along with 1-year work experience) which most of the automotive industry now requires. The students will have access to tools, equipment, and information on today's vehicles. Without direct supervision, students will be able to perform course objectives using logic and problem-solving skills with emphasis on safety and proper techniques. Upon successful completion of all course objectives, the student should be able to secure employment in an entry level position in an automotive garage, new car dealership, or continue further education in a post-secondary automotive program or factory school. This career field's current salary range in South Carolina is $10.86 to $29.65 per hour (www.onetonline.org). A $20 lab fee is required for this course.

AUTOMOTIVE TECHNOLOGY 3 CP (DCCTC) 603200CD Units: 2

Grades: 10-12

Prerequisite: Automotive Technology 2 with a grade of 75 or higher and teacher recommendation

The Automotive Technology program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of this career cluster. The content includes but is not limited to broad, transferable skills and stresses understanding and demonstration of the following elements of the automotive industry: planning, management, finance, technical and product skills, underlying principles of technology, community issues and health, safety, and environmental issues. This program also includes a work-based component depending on job availability. A $20 lab fee is required for this course.

AUTOMOTIVE TECHNOLOGY 4 CP (DCCTC) 603300CD Units: 2

Grades: 11-12

Prerequisite: Automotive Technology 3 with a grade of 75 or higher and teacher recommendation

This course will continue with the skills and competencies learned in Automotive Technology 3 with more emphasis placed on work-based learning. A $20 lab fee is required for this course.

DIESEL ENGINE TECHNOLOGY 1 CP 631000CD (1st Year Fall Semester) Units: 2
DIESEL ENGINE TECHNOLOGY 2 CP 631100CD (1st Year Spring Semester) Units: 2

Grade: 10-11

Site: DCCTC Dorchester

The Diesel Technology 1 & 2 program is an entry-level diesel technician program that offers a broad foundation in Inspection, Maintenance and Minor Repair (IMMR). The program is designed to introduce students to correct procedures and practices for a minimum of 128 tasks of highly technical medium duty and heavy-duty vehicle inspection in a teaching/learning environment. These tasks will allow students to gain skills and knowledge in diesel engine components, drive train, brakes, electrical/electronic systems, cab, hydraulic systems and preventative maintenance inspection. To perform tasks, students will be expected to learn proper and safe usage of typical technician hand tools and gauges and how to accurately inspect critical medium duty

and heavy-duty vehicle parts. Shop safety is strictly enforced. Students entering this program should exhibit mechanical aptitude, the ability to read and follow instructions as outlined in service repair manuals and enjoy precision work and problem solving. There will be extensive shop work weekly which will REQUIRE student participation and appropriate shop clothing. Due to high level technical learning and large quantity of core competency tasks, CELLPHONES ARE NOT ALLOWED to be used during the entire class period without instructor approval. No Exceptions. A $20 lab fee is required for this course.
DIESEL ENGINE TECHNOLOGY 2 CP 631100CD

DIESEL ENGINE TECHNOLOGY 3 CP **631200CD (2nd Year Fall Semester) Units: 2**
DIESEL ENGINE TECHNOLOGY 4 CP **631300CD (2nd Year Spring Semester) Units: 2**
Grades: 11-12
Site: DCCTC Dorchester
Prerequisite: Diesel Technology 1 & 2 with a grade of 75 or higher and instructor approval
The Diesel Technology 3 & 4 program is specifically for students who have successfully completed Diesel Technology 1 and 2 and want to pursue a career in the diesel technology industries. This program is designed to take Diesel Technology students into more in-depth learning of medium duty and heavy-duty vehicle repair practices related to Inspection, Maintenance and Minor Repair (IMMR). Students are challenged with more individual lab activities regarding vehicle preventative maintenance, engine, transmission, steering, suspension, electronic systems, brake systems diagnostics and computer diagnostics. Shop safety is strictly enforced. Students will be required to complete extensive shop work weekly which will REQUIRE student participation and appropriate shop clothing. Due to high level technical learning and large quantity of core competencies tasks, CELLPHONES ARE NOT ALLOWED to be used during the entire class period without instructor approval. No Exceptions. Upon successful completion of the program, students will have the opportunity to obtain ASE Certifications and other industry certifications. Students with instructor recommendation will have the opportunity to meet local business partners prior to graduation for the opportunity of pre-graduation job placement. Successful completion allows students to perform entry-level maintenance and repair job opportunities under the supervision of an experienced technician This career field's current salary range in South Carolina is $8.48 to $29.67 per hour (www.onetonline.org). Students who are or will be 18 by spring semester of their senior year are eligible to take the Class A Commercial Drivers License (CDL) training at DCCTC leading to permit testing through the Department of Transportation. Upon obtaining the CDL permit, student may then enroll at Orangeburg-Calhoun Technical College to complete their CDL license. On average, having a Class A CDL license will increase the hourly rate an additional $3.00 - $4.00 per hour. A $20 lab fee is required for this course.

LOGISTICS AND DISTRIBUTION 1: INTRODUCTION CP **68P000CD** **Units: 2**
Grades: 10-12
Site: DCCTC Dorchester
This course is designed specifically to provide students with essential knowledge, skills, and experiences related to career opportunities in warehouse, distribution, logistics, and transportation. Students will learn and work in authentic environments using industry standard equipment and procedures, as well as have opportunities to obtain information through field trips and guest speakers from the respective industries. Each of these industries has a significant presence in our area and is projected to continue their pattern of growth. Students must earn a 75 or higher in this course as a prerequisite for higher level courses.

LOGISTICS AND DISTRIBUTION 2: WAREHOUSE DISTRIBUTION CP 68P100CD Units: 2
Grades: 10-12
Site: DCCTC Dorchester
Prerequisite: Completion of Logistics and Distribution 1 with a recommended 75 or higher
This course is designed to actively engage students in the process of receiving, shipping, order-picking, inventory control, and the operation of numerous types of material handling equipment. Students will acquire information and skills that relate directly to potential career objectives in the warehouse and distribution

industry. Successful completers of this course will have the opportunity to sit for either or both of the following nationally recognized industry certifications: (CLA) Certified Logistics Associate and/or (CLT) Certified Logistics Technician. Students will have an opportunity to complete a 10-hour OSHA safety program and earn a safety credential, if successfully completed.

LOGISTICS AND DISTRIBUTION 3: WAREHOUSE INVENTORY CP 68P200CD Units: 2
Grades: 10-12
Site: DCCTC Dorchester
Prerequisite: Completion of Logistics and Distribution 1 and 2 with a recommended 75 or higher
This course may qualify as 3 dual credit hours with Trident Technical College upon approval from the college. This course is a basic overview of logistics management. Logistics involves the flow of goods and services including such aspects as warehousing, materials handling, inventory control, and transportation from the raw material to the end user. Students will begin to explore management and supervisory level aspects of the warehousing industry, including staffing, quality control, resource management, problem solving, and group dynamics.

LOGISTICS AND DISTRIBUTION 4: WORK-BASED LEARNING CP 68P300CD Units: 2
Grades: 10-12
Site: DCCTC Dorchester
Prerequisite: Completion of Logistics and Distribution 1, 2 and 3 with a recommended 75 or higher
This is a program which coordinates high school studies with a job in a field related to academic or technical education standards that provides "hands on learning" in areas of student interest with a participating business. A learning contract outlines the expectations of and responsibilities of both parties. The student works regularly during or after school in exchange for the mentor's time in teaching and demonstrating. The work-based experience may be paid or unpaid. 120 Hours, 1.0 credit

TRANSPORTATION, DISTRIBUTION AND LOGISTICS INTERNSHIP CP (DCCTC)
679000CW Unit: 1
Grade: 12
Prerequisites: Senior and completer of a DCCTC career and technology program in Auto Technology, Auto Collision, or Diesel Technology with a grade of 80 or higher and instructor recommendation
Seniors who have completed a career and technology program at DCCTC and desire work experience in a field related to their completed program or desire to further enhance their skills may enroll in a work-based learning (WBL) course. Students should express their interest in enrolling to their instructor and counselor. Students desiring to work in a related field must provide their own transportation to work sites. A
$20 lab fee is required for this course.

CTE STUDENT ORGANIZATIONS

Career and Technical Student Organizations (CTSO) develop, in students, essential skills for success such as learning, thinking, communication, technology, and interpersonal skills. They help students gain a positive image through competitive skills events, leadership development, and service-learning projects. Students with exposure to CTSOs serve their communities and nation and gain a competitive edge in the workforce.

The National FFA Organization
Agriculture, Food, and Natural Resources
"It's definitely not your father's FFA" is a recurring theme for the largest Career and Technical Student Organization in South Carolina. Over 4500 students take advantage of contests that test skills ranging from Equine Science to Floriculture. Students can seek leadership positions in the FFA well into their postsecondary years and often do so at Clemson University, home of SC FFA. Competitions are held yearly statewide with the culminating event the summer conference in June.

Future Business Leaders of America (FBLA)
Business, Management, and Administration
FBLA Business competencies are demonstrated through skill and leadership events sponsored by SC FBLA. As the second largest Career and Technical Student Organization in South Carolina, FBLA is represented in comprehensive high schools and technology centers across South Carolina and serves over 2000 members. The state association sponsors district and state level events that for many years have produced top ten national winners. The South Carolina association has also produced national leaders in FBLA such as the national treasurer in 1996-1997 and the national president in 2000-2001 and 2019-2020.

Business Professionals of America (BPA)
Business Management and Administration
The mission of Business Professionals of America is to contribute to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills and to help students pursue careers in business management, office administration, information technology and other related career fields. https://bpa.org/

Family, Career and Community Leaders of America, Inc. (FCCLA)
Human Services
Hospitality & Tourism
Education & Training
Arts, AV Technology, and Communications
Science, Technology, Engineering, and Mathematics
Because South Carolinians view the family and nutrition as fundamentals to the survival of the state and nation, it is no small wonder that SC FCCLA has the support of secondary schools and culinary art institutions. The organization was introduced to the state in the early 1900's and continues to support curriculum in the Family and Consumer sciences. State advisors and officers coordinate the yearly culinary arts competitions and leadership events in SC FCCLA.

Educators Rising
Education (Teaching and Related Education Careers)
Educators Rising is transforming how America develops aspiring teachers. Starting with high school students, Educators Rising provides passionate young people with hands-on teaching experience, sustains their interest in the profession, and helps them cultivate the skills they need to be successful educators. The result is a pipeline of accomplished teachers who are positioned to make a lasting difference — not only in the lives of their students, but also in the field of teaching more broadly.
Every teacher should enter the profession with the necessary skills. Educators Rising is a powerful way to help communities grow the next generation of well-prepared teachers.

FIRST South Carolina
Information Technology
Science, Technology, Engineering and Mathematics (STEM)
FIRST South Carolina (dba South Carolina FIRST LEGO League & Robotics Education, Inc*)* supports the development of future scientists and engineers through robotics and STEM (Science, Technology, Engineering, and Mathematics) education. First is the Affiliate Partner in South Carolina for *FIRST* LEGO League.
First South Carolina works with South Carolina school districts, individual schools, teachers, parents, and community groups to provide support needed to effectively and provocatively teach K-12 STEM through the implementation of *FIRST* programs. First engages in education through professional development, enrichment activities for students, and public advocacy – all designed to engage and inspire students in STEM fields. https://www.firstsouthcarolina.org

Health Occupations Students of America (HOSA)
Health Science
The health care profession continues to provide professional development for those hands that care for the nation's populace. In South Carolina, HOSA is dedicated to providing learning experiences for those students who have interest in the health occupations. With membership at the secondary schools, career centers, and postsecondary institutions, SC HOSA includes five regions that serve a membership of over 1500 students, teachers, and administrators. Hospital administrators, faculty, and other business partners comprise the state executive council.

DECA
Marketing
An Association of Marketing Students supports the Marketing Education curriculum. Students enjoy competitions grounded in marketing theory and application. The association sponsors 36 leadership and skill competitions ranging from DECA Quiz Bowl to Marketing Research Event with competitors from all over the state. The DECA association in South Carolina has over 1900 members, and state winners continuously taking honors in national competitions. https://www.deca.org/

National Society of Black Engineers (NSBE)
Science, Technology, engineering, and Mathematics (STEM)
Information Technology
Throughout its history, NSBE has had an incredible journey of successes and has been supported by the likes of Shirley Chisolm, the first Black woman to run for President of the United States in 1979, and launching its first international chapter in London, England in 1992. It has grown from six (6) founding members to over 30,000 at its height, and from one (1) chapter to more than 790 chapters. As the guiding principles suggest and as the logo symbolizes, then to now, NSBE members continue to have a burning desire (flame) to achieve engineering excellence and have a striking impact (lightning bolts) on society and industry for generations to come (torch). https://www.nsbe.org/

Skills USA
Architecture and Construction
Arts, AV Technology, and Communications
Manufacturing
Transportation, Distribution, and Logistics
SkillsUSA is a national membership association serving high school, college and middle school students who are preparing for careers in trade, technical, skilled service occupations, including health occupations. SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. (www.skillsusa.org or www.scskillsusa.org) In South Carolina, Skills USA coordinates state competitions that support the curriculum of all 16 Career Clusters in the National Career Clusters Framework. Over 70 events allow students to demonstrate skills and competencies in such areas as welding auto mechanics, cosmetology, and computer-assisted drafting. The South Carolina association enjoys the support of business partners that host state and local competitions by supplying necessary materials and scholarships.

Technology Student Association (TSA)
Scientific Research and Engineering
The South Carolina Technology Student Association (SCTSA) is for all students that are interested in STEM. SCTSA chapters prepare students to be successful inventors, designers, creative problem solvers, responsible citizens and leaders in a technological society! The mission of the Technology Student Association is to prepare its membership for the challenges of a dynamic world by promoting technological literacy, leadership, and problem solving skills, resulting in personal growth and opportunities. There are over 70 different competitions from where students can compete with others. There is something for everyone. Some of the competitions include website design, dragster design, biotechnology and more! Students that get through the State Conference are able to move to the National Conference. (www.tsaweb.org or www.southcarolinatsa.org)

VEX Robotics
Information Technology
Science, Technology, Engineering, and Mathematics (STEM)
Robotics is not only the future, it is also the present. By familiarizing students with programming, sensors, and automation, they hone critical computational thinking skills needed to succeed in both the 21st century's workforce and in everyday life. Beyond science and engineering principles, VEX Robotics solutions encourage creativity, teamwork, leadership, passion, and problem-solving among groups. That’s why VEX is committed to advancing robotics education as leaders in STEM, making it easy to implement and being your partner along the way! https://www.vexrobotics.com/

DORCHESTER SCHOOL DISTRICT TWO YOUTH APPRENTICESHIPS

Charleston Regional Youth Apprenticeships
AT TRIDENT TECHNICAL COLLEGE

Rising juniors, seniors and graduating seniors may apply for a youth apprenticeship through Trident Technical College. Positions are available in a variety of career fields, and students who are hired by one of the participating employers receive paid on-the-job training under the mentorship of an industry professional. Youth apprentices take apprenticeship-related college classes at TTC, and all costs related to those courses are paid for by the Charleston Metro Chamber of Commerce.

To be eligible, a student must:

- Be a rising junior or senior (at least 16 years of age) or a graduating senior
- Achieve qualifying placement test scores
- Demonstrate academic readiness and responsibility
- Have reliable transportation to work and to school
- Be legally able to work in the U.S.

Apprentices who complete the two-year program will receive:

- Two years paid employment and mentoring from an industry professional
- A high school diploma (if not already granted)
- One year of college credit from TTC free of charge
- National credentials from the U.S. Department of Labor
- Two years of work experience
- Marketable skills for life

Youth apprenticeship opportunities are available in many career pathways!

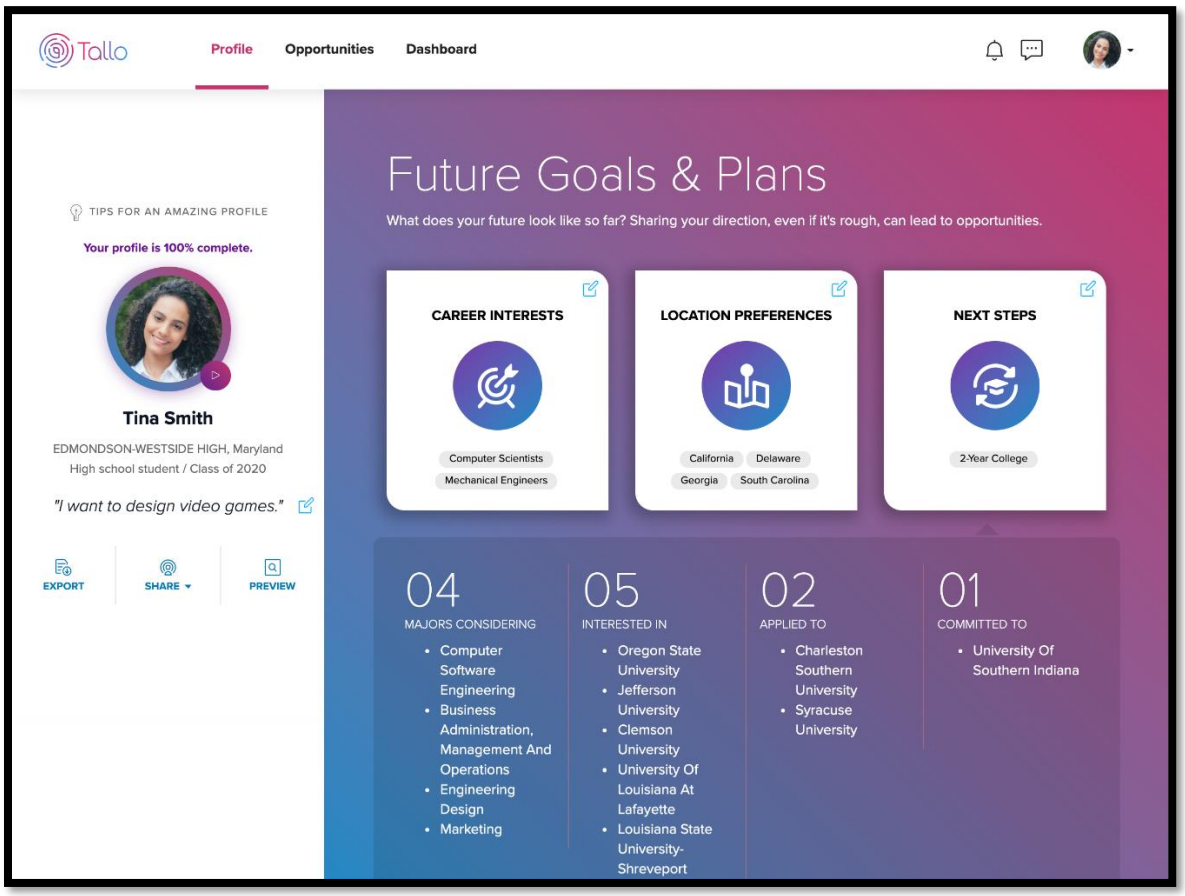
For more information contact the Office of High School Programs at Trident technical College:
ellen.kaufman@tridenttech.edu
Alexis.Parrill@tridenttech.edu

Tallo is a networking platform to connect students with colleges and opportunities with companies from across the country.

Our goal in Dorchester School District Two is to have each student create and maintain a student profile account in Tallo.

Students will have the opportunity to showcase their talents through digital profiles, find resources and scholarships, receive guidance and coaching, and connect with prospective colleges, scholarships opportunities, and employers.

Sample Student Profile screen below shows features of the Tallo account:



CTE Dual Enrollment Opportunities
Dorchester School District Two

https://www.tridenttech.edu/start/highschool/ad_dualcredit.htm
https://www.ecpi.edu/locations/charleston-sc

ECPI University - CYBER and NETWORK SECURITY

ECPI University provides a student-centered learning environment that promotes the enhancement of each student's professional and personal life through education.

- Classes meet during the regular school day
- Students receive college credit and dual enrollment credit for successful completion of coursework
- Technology Cooperative Learning Opportunities (Student CoOps, Internships, etc.)

Dual Enrollment in the CYBER and NETWORK SECURITY program provides students the following certification opportunities:

- Network Protocols and Services – Certification
- Computer Configuration II – Certification
- Principles of Cybersecurity – Certification
- Introduction to Cloud Solutions – Certification

Students participating in the ECPI Cyber and Network Security program have additional opportunities through partnerships with Trident Technical College and other technical colleges in the SC Technical College System, students have an opportunity for:

- Tuition Reduction
- Scholarships extended to eligible employees and immediate family
- Streamlined Enrollment Process
- Efficient Tuition Reimbursement

SC TECHNICAL COLLEGE SYSTEM | ecpi UNIVERSITY

TRIDENT TECHNICAL COLLEGE

Other opportunities for CTE Dual Enrollment are available and students should speak with their school guidance department or counselor for more information.

South Carolina Career Information System

SCOIS

Mission: Our mission is to provide accurate and up-to-date educational and career information to S.C. schools and other sites through the use of South Carolina's own Career Information Delivery system (SCOIS). The SCOIS Career System will assist educators with incorporating integrative learning strategies that address state curriculum standards in conjunction with current
and practical educational and career information. It will further allow teachers to develop efficient long range academic achievement plans for students.

SCOIS (S.C. Occupational Information System) is South Carolina's Official Career Resource Network. As a State Program, SCOIS is authorized by both Federal and State Law and is mandated to provide a vast array of Career Development products and services including the State's Computerized Career Information System.

SCOIS is strongly supported by school districts all across South Carolina and by the State Legislature. SCOIS has most recently been authorized by the State Legislature in the S.C. Education and Economic Development Act of 2005.
South Carolinians have been using SCOIS since 1977 to prepare for careers that will be in future demand. SCOIS is used in all grades K-12 as well as post-secondary institutions and guides you all the way to state and national job openings. Students who use SCOIS can better prepare their Individualized Graduation Plans (IGPs.)

SCOIS is an on-line system and you need a password to enter. You will have access to several Career Assessments, College Information, Occupational Information, College Major Information, Career Clusters, School Subjects matched to careers, Financial Aid Information, Private Trade Schools, Career Videos, Building and Posting Resumes, Career Electronic Portfolios, Salary and Outlook information on Careers, Lesson Plans for Teachers, Career Guidance Tools for Parents, Accountability Reports for Administrators and much more.

Students are also encouraged to use SCOIS at home using the www.scois.net website. Please see your School Counselor for a login and password for your school.

Call the SCOIS office today for more information 1-800-264-9038.

CTE Approved Industry Credentials List
2022-2023

Additional stackable Certifications can be located at: https://ed.sc.gov/instruction/career-and-technical-education/programs-and-courses/cate-programs/cte-approved-industry-credentials-18-19-and-19-20/

Career Cluster	Assessment/Certification/Industry	SRPG#	Certifying Agency/Industry
ALL	Microburst EmployABILITY Soft Skills	A94	Microburst
ALL	OSHA 10 General	63	Occupational Safety and Health Admin.
Agriculture, Food, & Natural Resources	Livestock Selection & Evaluation Certification	A84	iCEV Multimedia/National Collegiate Livestock Coaches
Arts, A/V Technology and Communications	Adobe Certified Associate – Visual Communication with Adobe Photoshop	80	Adobe
Arts, A/V Technology & Communications (Also Business Management and Administration)	Adobe® Certified Associate-Web Communication with Adobe Dreamweaver	81	Adobe®
Arts, A/V Technology &Communications	Adobe® Certified Expert	65	Adobe®
Business	QuickBooks Certified User (Intuit Quickbooks)	158	Certiport
Business Management & Administration *(also Arts,A/V Technology & Communications)*	Adobe® Certified Associate - Visual Communication with Adobe Photoshop	80	Adobe®
Business Management & Administration *(also Arts,A/V Technology & Communications)*	Adobe® Certified Associate-Web Communication with Adobe Dreamweaver	81	Adobe®
Business Management &Administration	Entrepreneurship & Small Business	168	State
Business Management & Administration *(also Information Technology)*	IC 3 (Internet and Computer Core Certification)	19	IC3 Digital Literacy Certification by Certiport
Business Management &Administration*(also Finance)*	MOS Office 2016 – Excel 2016 Expert	103	Microsoft ®
Business Management &Administration	MOS: Microsoft Office Access 2013	A36	Microsoft ®
Business Management &Administration	MOS: Microsoft Office – Outlook 2016	106	Microsoft ®
Business Management &Administration	MOS: Office –Power Point 2016	104	Microsoft ®
Business Management &Administration	MOS: Office 2010 - Access 2010	92	Microsoft ®
Business Management &Administration	MOS: Office 2010 - Excel 2010 Expert	89	Microsoft ®

Business Management &Administration	MOS: Office 2010 - Word 2010 Expert	87	Microsoft ®
Business Management &Administration	MOS: Office 2016 – Access 2016	105	Microsoft ®
Business Management &Administration	MOS: Office 2016 – Word 2016 Expert	10 1	Microsoft ®
Education & Training	Early Childhood Education Assessment Certification	67	American Association of Family andConsumer Sciences (AAFCS)
Education & Training	Education Fundamentals	70	American Association of Family andConsumer Sciences (AAFCS)
Education & Training	ParaPro Assessment	A17	ParaPro
Finance *(also BusinessManagement & Administration)*	MOS Office 2016 – Excel 2016 Expert	103	Microsoft ®
Finance *(also BusinessManagement & Administration, Marketing)*	OSHA 10 - General On Line Modules	247	Occupational Safety and HealthAdministration (OSHA)
Finance	WBL Credit Bearing Course		State
Finance	QuickBooks Certified User	158	Certiport
Health Science	Career Safe OSHA 10-Hour General Industry (Healthcare) Credential	A76	Occupational Safety and HealthAdministration (OSHA)
Health Science	Certified Nurse Aide (CNA)	12	South Carolina Department of Health andHuman Services (SCDHHS)
Health Science	First Responder	18	American Red Cross
Health Science	Healthcare Providers Basic Life Support (BLS)	A93	American Heart Association (AHA)
Health Science	Pharmacy Technician	35	Pharmacy Technician Certification Board (PTCB)
Hospitality & Tourism*(also Human Services)*	ServSafe® Food Handler	49	ServSafe®
Hospitality & Tourism*(also Human Services)*	ServSafe® Manager	A15	ServSafe®
Human Services*(also Hospitality & Tourism)*	ServSafe® Food Handler	49	ServSafe®
Human Services*(also Hospitality & Tourism)*	ServSafe® Manager	A15	ServSafe®
Information Technology	Digital Literacy (EVERFI)	A31	National
Information Technology	Autodesk User Certification for Maya	A54	Autodesk®
Information Technology	CompTIA A+ (Same as Microsoft A+)	01	CompTIA: Information
Information Technology	CompTIA Cloud Essentials	275	CompTIA: Information
Information Technology	CompTIA CySA+: Cybersecurity Analyst	274	CompTIA: Information Technology (IT)

			Industry & Association
Information Technology	Cloud Essentials		National
Information Technology	CompTIA IT Fundamentals	A7	CompTIA: Information Technology (IT) Industry & Association
Information Technology	Networking Fundamentals		National
Information Technology	CompTIA Linux+/LPIC-1	297	CompTIA: Information Technology (IT) Industry & Association
Information Technology	CompTIA Network+	32	CompTIA: Information Technology (IT) Industry & Association
Information Technology	CompTIA Security+ Certification	A52	CompTIA: Information Technology (IT) Industry & Association
Information Technology	Security Fundamentals		National
Information Technology	Linux Essentials	295	Linux Professional Institute
Information Technology	LPIC-1 Certified Linux Administrator	296	Linux Professional Institute
Information Technology	Network Systems TechnicianCertification - NST	A22	Accredited Information Technology Certifications – ETA International
Information Technology	Oracle®	47	Oracle®
Manufacturing	LEAN (Six Sigma) Manufacturing Certification	235	Council for Six Sigma/SME/AME
Manufacturing	MSSC: CPT Safety	239	Manufacturing Skill Standards Council (MSSC)
Manufacturing	NCCER - Mechatronics	28	(NCCER) Manufacturing Skills Standards Council (MSSC) CPT Certified ProductionTechnician
Manufacturing	NCCER – Welding Technology	31	National Center for Construction Education and Research (NCCER)
Manufacturing	NIMS	33	National Institute for Metalworking Skills (NIMS)
Manufacturing	Workkeys (industry Preferred)		National
Marketing *(also BusinessManagement & Administration, Finance)*	OSHA 10 - General On Line Modules	247	Occupational Safety and HealthAdministration (OSHA)

Marketing	Retail Industry Fundamentals, National Retail Federation	214	National Retail Industry
Science, Technology, Engineering & Mathematics	Autodesk Inventor Certified User Exam	A54	Autodesk®

CONCENTRATOR COURSES

Dorchester School District Two

The Strengthening Career and Technical Education for the 21st Century Act (Perkins V) requires a Career and Technical Education (CTE) concentrator to complete at least two courses in a single career and technical education program. The Office of Career and Technical Education (OCTE) defines a concentrator as a secondary student with an assigned Classification of Instruction Programs (CIP) code who has completed at least two courses in a state-recognized CTE Program.

The courses are listed in the following table are categorized by cluster, CIP code, program name, course code, and course options. Additional courses not included in this listing can be taken to count toward completer status requirements, if needed.

Note: All programs require the completion of at least two identified courses in a state-recognized CTE program with the exception of Barber/Master Hair Care and Cosmetology which require three courses. If the courses are not sequential, it does not matter what order they are taken in.

CIP Code	Program	Course Code	Course Name Course Selection (Select One)	Course Code	Course Name Course Selection (Select One)
Agriculture, Food, and Natural Resources					
010205	**Agricultural Mechanics and Technology**	5691	Agricultural and Biosystems Science	5692	Biosystems Mechanics and Engineering
		5660	Agricultural Mechanics and Technology	5610	Agricultural Power Mechanics
		5604	Agricultural Mechanics and Technology for the Workplace 1	5605	Agricultural Mechanics and Technology for the Workplace 2
		5624	Agricultural Science and Technology	5660	Agricultural Mechanics and Technology
		5692	Biosystems Mechanics and Engineering	5611	Agricultural Structural Mechanics
				5621	Equipment Operations and Maintenance
140301	**Biosystems Engineering Technology**	5691	Agricultural and Biosystems Science	5692	Biosystems Mechanics and Engineering
		5693	Biosystems Technology Career Development 1	5694	Biosystems Technology Career Development 2
030101	**Environmental and Natural Resources Management**	5691	Agricultural and Biosystems Science	5626	Environmental and Natural Resources Management
		5624	Agricultural Science and Technology		
		5628	Environmental and Natural Resources Management for the Workplace 1	5629	Environmental and Natural Resources Management for the Workplace 2
		5626	Environmental and Natural Resources Management	5627	Soil and Water Conservation
				5642	Forestry

				5674	Wildlife Management
010601	**Horticulture**	5691	Agricultural and Biosystems Science	5650	Introduction to Horticulture
		5624	Agricultural Science and Technology		
		5652	Horticulture for the Workplace 1	5653	Horticulture for the Workplace 2
		5650	Introduction to Horticulture	5634	Floriculture
				5667	Golf Course Technology
				5670	Landscape Technology
				5672	Nursery, Greenhouse, and Garden Center Technology
				5655	Sports Turf Management
				5654	Turf and Lawn Management
011101	**Plant and Animal Systems**	5691	Agricultural and Biosystems Science	5614	Agricultural Crop Production and Management
		5624	Agricultural Science and Technology	5603	Animal Science
		5620	Agricultural Science and Technology for the Workplace	5663	Aquaculture
				5646	Cattle Production
				5679	Equine Science
				5647	Farm Animal Production
				5657	Food Processing
				5613	Introduction to Veterinary Science
				5612	Small Animal Care
				5627	Soil and Water Conservation
		5608	Animal Science for the Workplace 1	5609	Animal Science for the Workplace 2
Architecture and Construction					
460000	**Building Construction Cluster**	6060	Building Construction Cluster 1	6061	Building Construction Cluster 2
480703	**Cabinetmaking**	6080	Cabinetmaking 1	6081	Cabinetmaking 2
460201	**Carpentry**	6091	Carpentry 1	6092	Carpentry 2
460303	**Electrical Line Worker**	6305	Electrical Line Worker 1	6306	Electrical Line Worker 2
460301	**Electricity**	6287	Electricity 1	6288	Electricity 2
470201	**HVAC Technology**	6003	HVAC Technology 1	6004	HVAC Technology 2
460101	**Masonry**	6250	Masonry 1	6251	Masonry 2

460503	**Plumbing**	6280	Plumbing 1	6281	Plumbing 2
Arts, Audio-Video Technology, and Communications					
151301	**Architecture/Mechanical Design**	6170	Architecture Design 1	6171	Architecture Design 2
		6172	Mechanical Design 1	6173	Mechanical Design 2
500402	**Digital Art and Design**	6120	Digital Art and Design 1	6121	Digital Art and Design 2
500407	**Fashion Design and Apparel Construction**	5710	Fashion Design and Apparel Construction 1	5711	Fashion Design and Apparel Construction 2
100301	**Graphic Communications**	6200	Graphic Communications 1	6201	Graphic Communications 2
500408	**Interior Design**	5455	Interior Design 1	5456	Interior Design 2
100299	**Media Technology**	6124	Media Technology 1	6125	Media Technology 2
Business Management and Administration					
520401	**Administrative Services**	5122	Administrative Support Technology	5020	Integrated Business Applications 1
521206	**Business Information Management**	5340	Image Editing	5176	Digital Publication Design
520201	**General Management**	5001	Accounting 1	5400	Entrepreneurship
521001	**Human Resources Management**	5093	Fundamentals of Human Resources Management	5044	Business Law
520204	**Operations Management**	5150	Virtual Enterprise 1	5151	Virtual Enterprise 2
Education and Training					
131210	**Early Childhood Education**	5700	Early Childhood Education 1	5701	Early Childhood Education 2
130101	**Introduction to Teaching**	5703	Introduction to Teaching 1	5704	Introduction to Teaching 2
Finance					
520301	**Accounting**	5001	Accounting 1	5005	Accounting 2
520803	**Banking Services**	5273	Business Finance	5271	Banking Services
520804	**Business Finance**	5273	Business Finance	5001	Accounting 1
521701	**Insurance**	5273	Business Finance	5275	Insurance and Risk Management
520807	**Securities and Investments**	5273	Business Finance	5277	Securities and Investments

Government and Public Administration					
440501	**Governance**	6570	Foundations of Leadership	6572	Community and Regional Planning
440401	**Public Management and Administration**	6570	Foundations of Leadership	6571	Principles of Public Management and Administration
Health Science					
260102	**Biomedical Sciences (Project Lead the Way)**	5580	PLTW – Principles of Biomedical Science	5581	PLTW – Human Body Systems
510999	**Emergency Medical Services**	5531	Emergency Medical Services 1	5532	Emergency Medical Services 2
510000	**Health Science**	5550	Health Science 1 – Foundations of Healthcare Professionals	5551	Health Science 2 – Advanced Healthcare Applications
511600	**Practical Nursing**	5550	Health Science 1 – Foundations of Healthcare Professionals	5551	Health Science 2 – Advanced Healthcare Applications
		5531	Emergency Medical Services 1	5532	Emergency Medical Services 2
		5555	Sports Medicine 1	5556	Sports Medicine 2
		5580	Principles of Biomedical Sciences	5581	Human Body Systems
310505	**Sports Medicine**	5555	Sports Medicine 1	5556	Sports Medicine 2
Hospitality and Tourism					
520905	**Culinary Arts Management**	5720	Culinary Arts Management 1	5721	Culinary Arts Management 2
				5723	Baking and Pastry
		5723	Baking and Pastry	5724	Advanced Baking and Pastry
				5720	Culinary Arts Management 1
520904	**Hospitality and Tourism Management**	5478	Introduction to Hospitality and Tourism Management	5473	Lodging Management
				5475	Event and Entertainment Management
				5474	Travel and Tourism Management
Human Services/Family and Consumer Sciences					
120402	**Barber/Master Hair Care**	6158	Barber/Master Hair Care 1 (Three courses for concentrator)	6159	Barber/Master Hair Care 2
				6160	Baber/Master Hair Care 3 (see note)
120401	**Cosmetology**	6150		6151	Cosmetology 2

			Cosmetology 1 (Three courses for concentrator)	6152	Cosmetology 3 (see note)
120409	**Esthetics**	6162	Esthetics 1	6163	Esthetics 2
120410	**Nail Technology**	6154	Nail Technology 1	6155	Nail Technology 2
190101	**Family and Consumer Sciences**	5800	Child Development 1	5801	Child Development 2
		5820	Family Life Education 1	5821	Family Life Education 2
	Note: Any two of these courses would qualify for concentrator status. The combination can be levels one and two of one course or level one of two different courses that prepare a student to earn an industry or postsecondary recognized credential.	5808	Family and Consumer Sciences 1	5809	Family and Consumer Sciences 2
		5804	Fashion, Fabric, and Design 1	5805	Fashion, Fabric, and Design 2
		5812	Financial Fitness 1	5813	Financial Fitness 2
		5824	Foods and Nutrition 1	5825	Foods and Nutrition 2
		5830	Housing and Interiors 1	5831	Housing and Interiors 2
		5834	Human Development: Responsible Life Choices 1	5835	Human Development: Responsible Life Choices 2
		5816	Parenting Education 1	5817	Parenting Education 2
		5759	Sports Nutrition 1	5760	Sports Nutrition 2
Information Technology					
500411	**Game and Interactive Media Design**	5350	Foundations of Animation	5352	Game Design and Development
151202	**Information Support and Services**	5320	Computer Repair and Service	5321	Advanced Computer Repair and Service
110901	**Networking Systems**	5310	Networking Fundamentals	5311	Advanced Networking
110201	**Programming and Software Development**	5050	Computer Programming 1	5051	Computer Programming 2
		5056	Computer Programming 1 with C++	5057	Computer Programming 2 with C++
		5052	Computer Programming 1 with Java	5053	Computer Programming 2 with Java
		5054	Computer Programming 1 with Visual Basic	5055	Computer Programming 2 with Visual Basic
		5064	Computer Programming 1 with Python	5065	Computer Programming 2 with Python
		5066	Computer Programming 1 with Swift	5067	Computer Programming 2 with Swift
		5324	Database Design and Programming with SQL	5326	Database Programming with PL/SQL

110801	**Web and Digital Communications**	5031	Fundamentals of Web Page Design and Development	5033	Advanced Web Page Design and Development
111003	**Computer and Information Systems Security/ Information Assurance**	5370	Cyber Security Fundamentals	5372	Advanced Cyber Security
Law, Public Safety, Corrections, and Security					
430203	**Emergency and Fire Management Services**	6514	Firefighter 1	6515	Firefighter 2
430107	**Law Enforcement Services**	6510	Law Enforcement Services 1	6511	Law Enforcement Services 2
220301	**Paralegal Systems**	6526	Legal Systems Technology 1	6527	Legal Systems Technology 2
Manufacturing					
470101	**Electronics Technology**	6133	Electronics Technology 1	6134	Electronics Technology 2
480503	**Machine Technology**	6230	Machine Tool Technology 1	6231	Machine Tool Technology 2
150613	**Integrated Production Technology**	6222	Advanced Technology for Design and Production – Course 1	6223	Systems of Advanced Technology – Course 2
150404	**Mechatronics Integrated Technologies**	6210	Mechatronics 1 – Electrical Components/Industrial Safety	6211	Mechatronics 2 – Mechanical Components Electric Drives/Hand & Power Tool Op.
480501	**Metal Fabrication**	6260	Metal Fabrication 1	6261	Metal Fabrication 2
480508	**Welding Technology**	6340	Welding Technology 1	6341	Welding Technology 2
Marketing					
521402	**Marketing Analytics**	5421	Marketing	5423	Marketing Analytics
090903	**Marketing Communications**	5470	Advertising	5421	Marketing
		5422	Digital Media Marketing		
521401	**Marketing Management**	5421	Marketing	5431	Marketing Management
				5426	Sports and Entertainment Management
521802	**Merchandising**	5421	Marketing	5430	Merchandising
Science, Technology, Engineering, and Mathematics					
150801	**Aerospace Engineering Technology**	6386	Fundamentals of Aerospace Technology	6387	Advanced Aerospace Technology

149999	**Clean Energy**	6380	Clean Energy Systems – Course 1	6381	Clean Energy Applications – Course 2
110701	**Computer Science (Project Lead the Way)**	6372	PLTW – Computer Science Essentials	6377	PLTW – Computer Science Principles
		6378	PLTW – Cyber Security		
143501	**Core Engineering**	6370	Core Engineering 1	6371	Core Engineering 2
190501	**Food Science**	5757	Food Science 1	5758	Food Science 2
110104	**Informatics**	6891	Computers, Networks and Databases – Course 1	6892	Design for the Digital World – Course 2
410000	**Innovations in Science and Technology**	6140	The Nature of Science and Technology – Course 1	6141	Core Applications of Science and Technology – Course 2
140101	**Pre-Engineering (Project Lead the Way)**	6051	PLTW – Introduction to Engineering Design	6050	PLTW – Principles of Engineering
		6051	PLTW – Introduction to Engineering Design	6144	PLTW – Engineering Essentials
		6144	PLTW – Engineering Essentials	6050	PLTW – Principles of Engineering
Transportation, Distribution, and Logistics					
470603	**Automotive Collision Repair Technology**	6020	Automotive Collision Repair Technology 1	6021	Automotive Collision Repair Technology 2
470604	**Automotive Technology**	6030	Automotive Technology 1	6031	Automotive Technology 2
470605	**Diesel Engine Technology**	6310	Diesel Engine Technology 1	6311	Diesel Engine Technology 2
520203	**Global Logistics & Supply Chain Management**	6191	Introduction to Logistics – Course 1	6192	Functional Areas in Logistics – Course 2
470606	**Power Equipment Technology**	6300	Power Equipment Technology 1	6301	Power Equipment Technology 2