# DORCHESTER SCHOOL DISTRICT TWO 2022-2023 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 students 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.

Board of Trustees<br>Ms. Gail Hughes, Chair<br>Mrs. Tanya Robinson, Vice Chair<br>Mrs. Ashley Wimberly, Secretary<br>Mrs. Barbara Crosby<br>Mr. Justin Farnsworth<br>Mr. Evan Guthrie<br>Mr. Brian Mitchum<br>Dr. Shane Robbins, Superintendent

Ashley Ridge High School
9800 Delemar Highway
Summerville, SC 29485
Phone: (843) 695-4900
Fax: (843) 695-4905
Brooke Matthews, Principal
https://www.ddtwo.org/ARHS

Fort Dorchester High School
8500 Patriot Blvd
North Charleston, SC 29420
Phone: (843) 760-4450
Fax: (843)760-4852
Raymond Aldredge, Principal
https://www.ddtwo.org/FDHS

Summerville High School
1101 Boone Hill Rd
Summerville, SC 29483
Phone: (843) 873-6460
Fax: (843) 821-3989
Kenneth Farrell, Principal
https://www.ddtwo.org/SHS

## TABLE OF CONTENTS

English ..... 4-6
Mathematics ..... 7-9
Science ..... 10-13
Social Studies ..... 14-19
Non-Core General Electives ..... 20-23
Specialized Instruction ..... 24-27
Fine and Performing Arts ..... 28-38
World Languages ..... 39-42
Physical Education ..... 43
Junior ROTC ..... 44-48
Advanced Placement ..... 49
CTE College and Career Readiness Clusters and Course Offerings ..... 50
Middle School CTE Courses ..... 53-54
Agriculture Education ..... 55-58
Architecture and Construction ..... 59-60
Arts, Audio-Video Technology Communications ..... 61-62
Business Management and Administration ..... 63-64
Finance ..... 65
Health Science Education ..... 66-69
Hospitality and Tourism ..... 70-72
Human Services ..... 71-74
Information Technology ..... $.75-78$
Law, Public Safety, and Security ..... 79-80
Manufacturing ..... 81-83
Marketing ..... 84-85
Science, Technology, Engineering and Math ..... 86-87
Transportation, Distribution, and Logistics ..... 88-91
CTE Organizations and Information ..... 92-98
CTE Approved Industry Credentials List ..... 99-102
CTE Concentrator Courses List ..... 103-109

## ENGLISH CORE

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 I 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.

## 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 CP 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 III 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: 10-12
Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum. English III 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 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.

## 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.

## 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.

## MATHEMATICS CORE

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 Algebra 1, Algebra 2, and Geometry. A fourth or fifth higher-level mathematics course is strongly recommended and may be required for some majors. The fourth course may be selected from Pre-calculus, Probability \& Statistics, or Calculus. 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.

## TRANSITION TO ALGEBRA CP

41A000CW
Unit: 1

## Grades: 9-10

This course designed to build students' algebraic habits of mind, key mathematical ways of thinking aligned with the South Carolina College and Career Ready Mathematics Process Standards (SCCCR). Students explore algebraic logic puzzles that connect to and extend algebra course topics and learn broadly applicable tools and strategies to help them make sense of what they will learn in future algebra courses. Students discuss and refine their ideas as they work through mental mathematics activities, written puzzles, spoken dialogues, and hands-on explorations that engage them in cultivating mathematical knowledge, intuition, and skills. Students are identified and placed in this course by performance on standardized tests, universal screener, and performance in prior mathematics courses.

## ALGEBRA 1 CP

411400CW
Unit: 1
Grades: 9-10
This course is designed as the high school gateway mathematics course. Continuing the work from 8th grade mathematics, topics will include the real number system; exponents; algebraic expressions; equations and inequalities; and modeling of linear, quadratic, and exponential functions through graphs, equations, and applications. Students will take the South Caroline End of Course examination as the final exam in this course.

## ALGEBRA 1 HONORS

411400HW
Unit: 1

## Grades: 7-9

Prerequisite: Teacher Recommendation
Algebra 1 Honors is a challenging course that is the basis for students desiring to meet the rigors of the honors curriculum. Problem-solving processes that require abstract reasoning abilities and/or creative analysis of information will be emphasized. Topics will include the real number system; exponents; algebraic expressions; equations and inequalities; and modeling of linear, quadratic, and exponential functions through graphs, equations, and applications. Students will take the South Caroline End of Course examination as the final exam in this course.

## GEOMETRY CP

412200CW
Unit: 1

## Grades: 9-11

## Prerequisite: Algebra 1

This course continues the work of geometric concepts from middle school. Topics will include properties of basic geometric figures such as triangles, quadrilaterals, polygons, and circles; transformations; coordinate geometry; two-dimensional and three-dimensional figures; and basic trigonometry.

## GEOMETRY HONORS

412200HW

## Unit: 1

Grades: 8-10
Prerequisite: Algebra 1 and Teacher Recommendation

Geometry Honors is a challenging course that incorporates a high level of analytical thinking. Algebra and coordinate geometry are integrated extensively along with inductive reasoning with investigations and deductive reasoning with formal proofs. Topics will include properties of basic geometric figures such as triangles, quadrilaterals, polygons, and circles; transformations; coordinate geometry; two-dimensional and three-dimensional figures; and basic trigonometry.

## ALGEBRA 2 CP

411200CW
Unit: 1

## Grades: 9-12

Prerequisite: Algebra 1
This course continues the work of Algebra 1 while extending the topics to include complex numbers; sequences and series; and modeling of nonlinear relationships of exponential, radical, rational, and polynomial functions.

## ALGEBRA 2 HONORS

411200HW
Unit: 1
Grades: 9-11
Prerequisite: Algebra 1 and Teacher Recommendation
This course is designed for an advanced math student who wishes to continue to meet the rigor of the honors mathematics program. This course continues the work of Algebra 1 while extending the topics to include complex numbers; sequences and series; and extensive modeling and application of nonlinear relationships of exponential, radical, rational, polynomial and logarithmic functions.

## ALGEBRA 3 CP

411300CW
Unit: 1
Grade: 10-12
Prerequisites: Algebra 2
This course focuses on the development of the student's ability to understand and apply the advanced mathematical concepts from Algebra 2. The topics will include the complex number system; arithmetic and geometric sequences; and modeling algebraically and graphically both linear and non-linear functions of linear, quadratic, exponential, polynomial, rational, radical, and logarithmic functions. Conics and the unit circle will be introduced and explored. Upon successful completion of this course, students should be prepared to take Precalculus.

## PROBABILITY AND STATISTICS CP

414101CW
Unit: 1
Grades: 10-12

## Prerequisites: Algebra 2 and Geometry

Statistics is the science of data, and probability is the tool necessary to work with data and to make predictions. This course will give students the opportunity to produce data, to put data into usable form, and to interpret data so that they can draw conclusions about the world around us. This course allows students to develop statistical thinking and stresses the importance of communication. It is a course designed to help students develop strong problem-solving skills and uses, connections to other school subjects, and the student's world.

## PRE-CALCULUS CP

413100CW
Unit: 1
Grades: 10-12 P
Prerequisites: Algebra 2 and Geometry
This course continues the work in Algebra 2 and Geometry 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.

## PRE-CALCULUS HONORS

413100HW
Unit: 1

## Grades: 10-12

Prerequisites: Algebra 2, Geometry, and Teacher Recommendation
Pre-calculus 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 Algebra 2 and Geometry is integrated
through application of concepts in logarithmic and trigonometric functions; unit circle; trigonometric 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
This course 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 This course 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 This course 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.

## STATISTICS AP

## 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
This 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 CORE

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
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.

## 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

AP BIOLOGY LAB
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 is 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
AP CHEMISTRY LAB

327300AW
327301HW

Unit: 1
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.

## 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 (.5) US Government (.5)

## HUMAN GEOGRAPHY CP

331001CW
Unit: 1

## Grade 9

This focus of this college preparatory course is the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. Critical thinking will be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and human-environment interaction.

## HUMAN GEOGRAPHY HONORS

331001HW
Unit: 1

## Grade: 9

This course presents a comprehensive view of world geography, the focus of which will be the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. Critical thinking will be emphasized in this course, with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and humanenvironment interaction.

## AP HUMAN GEOGRAPHY

337900AW
Unit: 1

## Grades: 9

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

## WORLD HISTORY CP

336001CW
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.

## WORLD HISTORY HONORS

336001HW
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: Human Geography
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. Student 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. An individual research project required. 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. An individual research project required. Students will take the SC End-Of-Course examination as the final exam in this course.

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 CP

335000 CH
Unit: $1 / 2$
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 HONORS

335000 HH
Unit: $1 / 2$
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. An individual research project will be required.

## MACROECONOMICS AP

## 337500AW

Unit: 1
Grade: 12
Prerequisite: Open to all students willing to attempt the rigors of the prescribed curriculum
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 pricelevel 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
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

## US GOVERNMENT CP

333000 CH
Unit: $1 / 2$

## 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: $1 / 2$

## 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

339900 CW
Units: 1
Grades: 10-12
This course is designed to help students gain an understanding of the significant contributions made by African Americans to the economic, social, political, and cultural development of the United States. As a part of the overall social studies philosophy, this course aims to help students develop a sense of history, as well as an understanding and acceptance of others in a multicultural society. Students will study African American history, art, music, and literature encompassing past and present contributors on a local, national, and international scale. Students will complete individual as well as group projects, readings, and assignments with specific emphasis on developing and enhancing better reading, writing, technological, and analytical skills.

AFRICAN AMERICAN STUDIES 2 CP
339901CW

## Unit: 1

## Grades: 10-12

Prerequisite: African American Studies 1
This course is designed to give serious-minded students an in-depth study into the affairs of African-Americans
in the Post- Civil War era through contemporary events in the world as it relates to the African migration. This course will also focus on current affairs such as political awareness, economic empowerment, and goal setting. The political awareness component is designed to provide students with a solid understanding of the American government and prepares them to be future voting citizens. The economic empowerment component is designed to provide students with an understanding of personal finance. The goal setting portion is designed to help students develop skills to succeed in today's world and to give them a sense of self- esteem, pride and value. Students will also be able to participate in various activities such as mentoring younger students in the elementary and middle schools and teaching others in neighboring communities. Funding will be pursued through grants and various agencies.

## INTOLERANCE AND THE HOLOCAUST CP

## 339905CH

Unit: $1 / 2$
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.

## LAW EDUCATION CP <br> 333600CH <br> Unit: $1 / 2$

## 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: ${ }^{1 / 2}$

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.

## MORALITY, ETHICS, AND RELIGION CP

339912CH
Unit: $1 / 2$
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.

## SOCIOLOGY CP

## 334500CH

Unit: ${ }^{1 / 2}$

## 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

334000 CH
Unit: ${ }^{1 / 2}$
Grades: 11-12
This course in 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 <br> 437100AW <br> 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.

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 AfricanAmerican 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.

## CREATIVE WRITING 2 CP

303201CW
Unit: 1
Grades: 10-12
Prerequisite: Creative Writing 1
Students will learn to analyze, apply and synthesize various techniques, styles and forms through diverse genres. Students will master elements of short fiction, poetry, drama and personal non-fiction through extensive writing and reading assignments.

## 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
EFFECTIVE LEADERSHIP 3 CP
EFFECTIVE LEADERSHIP 4 CP
EFFECTIVE LEADERSHIP 5 CP
EFFECTIVE LEADERSHIP 6 CP

| 339913CW | Unit: 1 |
| :--- | :--- |
| 339943CW | Unit: 1 |
| 339944CW | Unit: 1 |
| 339945CW | Unit: 1 |
| 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.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES 1-8

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

## Grade: 9-12

Prerequisites: Must meet eligibility for the ESOL Program
This course is designed for ESOL students of all English Proficiency levels. It will focus on the regular classroom curriculum of ninth grade following South Carolina's standards. The emphasis will be on content area concepts and vocabulary in the sciences, mathematics, social studies, and English.

## 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. This is a mandatory course for all freshmen seeking diplomas in Dorchester School District Two.

## JOURNALISM 1 CP

305000 CW
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 YEARBOOK PRODUCTION

> 305300 CW
> 305400CW

Unit: 1 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.

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 $1 / 2$
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

Grades: 11-12

## 379901CW <br> 379901CH

Unit: 1
Unit: $1 / 2$

Prerequisites: Selection process; proof of insurance coverage
The student volunteer program provides students with an opportunity to become actively involved in the community through volunteer work. Students must provide their own transportation if volunteering off campus. Students will meet with the coordinating teacher at the beginning of the semester for classroom instruction. Students may volunteer during their Student Volunteer class period or off campus during or after school hours. Students must complete five hours of volunteer service per week. Punctuality and regular attendance will be monitored. Reports from the supervisor will be completed on a monthly basis. A maximum of two credits (one per year) may be earned during high school. A student may not enroll in two work based learning courses during the same semester.

## TEACHER CADET PROGRAM (AP Credit)

## 373500EW

Unit: 1

## 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

## 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 researchbased 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. Reference and Study courses qualify as elective credits. Students must also meet the graduation requirements for a South Carolina High School Diploma.

## REFERENCE AND STUDY 1-11

Unit: 1
1: 399911CW
5: 399915CW
9: 390R91CW
2: 399912CW
6: 399916CW
10: 390R92CW
3: 399913CW
7: 399917CW
4: 399914CW
8: 399918CW
11: 390R93CW

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. The SC High School Credential is only applicable for students with an IEP and is NOT a high school diploma.

## ESSENTIALS OF ENGLISH I

390003CW
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

391003CW
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

392003CW
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 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

390103CW
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

## 391103CW

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

392103CW
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

393103CW
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)

390203CW
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.
energy and matter, structure and function; stability and change) to become scientifically literate and consumers of scientific information.

## LIFE SKILLS SCIENCE 11 <br> LIFE SKILLS SCIENCE 12

| 390223CW | Unit: 1 |
| :--- | :--- |
| 390224CW | Unit: 1 |

## Grades: 11-12

Instruction rotates each year and may center on Body Systems where topics may include blood, circulatory system, digestive system, respiratory system, excretory system, nervous system, or the skeletal system. Or, instruction may center on Earth Science where topics may include Astronomy, Earth's Geosphere, Earth's Paleobiosphere, Earth's Atmosphere - Weather and Climate, or Earth's Hydrosphere.

## ESSENTIALS OF SOCIAL STUDIES I (U.S. History and the Constitution) 390303CW 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 21 st 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) 391303CW Unit: 1

 Grades: 9-11Essentials 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.

## LIFE SKILLS SOCIAL STUDIES 11 <br> LIFE SKILLS SOCIAL STUDIES 12

390233CW
390235CW

Unit: 1
Unit: 1

Grades: 11-12
Instruction rotates each year and will center on Global Civics, US Civics, and SC Civics. Topics may include world history, world geography, US geography, US government, US history, SC history, and current events.

## EMPLOYABILITY EDUCATION I - Career Awareness and Exploration 390803CW 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 391803CW Unit: 1

 Grades: 9-10The Employability Education II course is designed to develop skills generic 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

392803CW
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 393803CW 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 workrelated problem-solving skills, proper work behavior through the development of soft skills, and an understanding of their own learning and training styles.

## 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 standardsbased 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 APPRECIATION 1 CP

351100CW
Unit: 1

## Grade: 11-12

This course is designed for the college bound student. It is a survey of art history with a basis on the role of visual art in world cultures. This course can be taken as preparation for college level humanities or as credit through Trident Technical College for three semester hours of credit.

## ART 1 CP <br> 350100CW <br> Unit: 1

## Grades 9-12

The first semester of this course consists of the principles, elements, and media associated with drawing and painting. The second semester consists of studio work in the areas of drawing, painting and printmaking.
ART 2 CP
350200CW
Unit: 1

Grades 9-12
This course further explores the media associated with the techniques in 2D artwork.

## ART 3 HONORS <br> 350300HW <br> Unit: 1

Grades: 10-12
Prerequisites: Art 2 CP and portfolio review
This course is the beginning of study for the student who is serious about high performance in drawing, painting and printmaking.

## ART 4 HONORS

350400HW
Unit: 1
Grade: 11-12
Prerequisite: Art 3 Honors
In this course the student participates primarily in independent studio projects along with research in the history and cultural aspects of 2D artwork.

## 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.

This course further explores the media associated with the techniques in 3D artwork.

## ART 3-D DESIGN 3 HONORS

350700HW
Unit: 1
Grades: 11-12
Prerequisites: Art 3-D Design 2 and portfolio review
This course is the beginning of study for the student who is serious about high performance in sculpture and ceramics.

## ART 3-D DESIGN 4 HONORS

350800HW
Unit: 1

## Grade: 12

Prerequisites: Art 3- D Design Honors 3
In this course the student participates primarily in independent studio projects along with research in the history and cultural aspects of 3D artwork.

ART 3-D DESIGN 5 HONORS 459903HW Unit: 1
Grade: 12
Prerequisite: Art 3-D Design Honors 4
Honors5 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
This course consists of the principles, elements and media associated with media art. The second semester consists of studio work in the areas of media art.

MEDIA ART 2 CP
351600CW
Unit: 1
Grades: 10-12
Prerequisite: Media Art 1 CP
Media Art 2 CP further explores the media associated with the techniques in 2D artwork.

## MEDIA ART 3 HONORS

351700HW
Unit: 1
Grades: 11-12
Prerequisite: Media Art 2 CP
In Media Art 3 CP the student begins the process of developing personal style and technique involved in media art.

## 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
This course begins with the elements and principles of design and their relationship to the photographic process
utilizing the text, Photographic Eye. Students will study the history of photography and its development as an art form. The course covers the basics of camera operation and picture taking with digital equipment. Students are required to have access to a digital camera with manual settings.

## PHOTOGRAPHY 2 CP <br> 456700CW <br> Unit: 1

Grades: 10-12
Prerequisite: Photography 1
This course covers advanced projects in black and white, color photography, and digital photography. Photography 2 will include the development of film in darkroom processes. The students will utilize the printing process as a tool for creativity. Students are required to have a 35 mm SLR manual camera, a digital camera with manual settings, and a supply of film.

## PHOTOGRAPHY 3 HONORS

456800HW
Unit: 1
Grades: 11-12
Prerequisite: Photography 2
This course is for the serious student of photography. Photographic assignments will involve various photographic equipment and dark room experiments. Students will develop a personal photographic portfolio. A 35 mm SLR manual camera and a digital camera are required.

## PHOTOGRAPHY 4 HONORS

456900HW
Unit: 1
Grade: 12
Prerequisite: Photography 3 Honors
Students will begin the process of a photographic specialization and the development of a personal style. A variety of photography career options and opportunities will be explored. Students will produce an artist's portfolio illustrating the breadth and depth of the photographic process. A 35 mm manual camera and a digital camera are required.

## 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.

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/ 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 land 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 cocurricular. 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.

This course focuses on piano technique and literature taught in a class setting while emphasizing individual development.

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.

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.

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 <br> 354400HW <br> 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.

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

959000 HW
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 <br> 459916CW <br> 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 U59917CW 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 nonperformance 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.

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

362200 CW
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.

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

365500 HW
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 <br> 3675000AW <br> 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.

## 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 $\quad$ 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

PE 2 CP: 344200CW
PE 3 CP: 344300CW
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

## NAVY 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.

NAVY 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.

## NAVY 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.

NAVY 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.

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.

NAVY 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: DORCHESTER HIGH SCHOOL

## AEROSPACE SCIENCE/LEADERSHIP EDUCATION 1 CP

375100CW
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.

## AEROSPACE SCIENCE/LEADERSHIP EDUCATION 2 CP 375200CW 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.

## AEROSPACE SCIENCE/LEADERSHIP EDUCATION 3 CP <br> 375300CW <br> 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.

## AEROSPACE SCIENCE/LEADERSHIP EDUCATION 4 HONORS 375405HW

## Unit 1

Grades: 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 unitincluding 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.

## AFJROTC CADET LEADERSHIP COURSE CP

375403CW
Unit: $1 / 2$
Grades: 10-12
Prerequisite: Aerospace Science 1 and Instructor selection
This course prepares JROTC cadets for leadership roles within the cadet wing. The instruction is provided by AFJROTC instructors and recruiters. The course is a high-intensity training environment consisting of physical training, classroom academics, drill, parade practice, uniform inspections, and competitive sports. Upon completion, cadets will understand the importance of time management, how to get along with others, how to be a follower and a leader, and what it takes to be successful in a group. There are a limited number of slots available, and cadets must be selected to participate.

## AIR FORCE JROTC: ASHLEY RIDGE HIGH SCHOOL

## AIR FORCE JUNIOR ROTC 1 CP

375100CW
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.

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.

## AIR FORCE JUNIOR ROTC 3

## 375300CW

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.

## AIR FORCE JUNIOR ROTC 4 CP

375405CW
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.

## AEROSPACE SCIENCE 4 CP

## 375406CW

## Unit: 1

Grade: 12
Prerequisites: SASI Approval
This is an elective course that introduces cadets to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. This provides cadets not only with historical overview that is critical for today's global citizen, but also the current situations in the various regions, preparing cadets to live in our increasingly interdependent world. Leadership: An Introduction to Management provides an introduction to management and its application to JROTC. It defines what management is and what managers do. Finally, the chapter explains the similarities and differences between a leader and a manager and how a manager should think about the health and growth of the organization. Pre-approved cadets may be placed among first, second and third-year cadet classes in cadet officer or NCOIC leadership positions.

## AEROSPACE SCIENCE 4 HONORS

375405HW
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.

## AFJROTC CADET LEADERSHIP COURSE CP <br> 375403CW <br> Unit: $1 / 2$

## Grades: 10-12

Prerequisite: Aerospace Science 1 and Instructor selection
This course prepares JROTC cadets for leadership roles within the cadet wing. Conducted at The Citadel during summer with a student population of about 350 from 17-20 different schools. The instruction is provided by AFJROTC instructors from the represented schools. The course is a high-intensity training environment consisting of physical training, classroom academics, drill, parade practice, room inspections, uniform inspections, and competitive sports. Upon completion, cadets will understand the importance of time management, how to get along with others, how to be a follower and a leader, and what it takes to be successful in a group. There are a limited number of slots available, and cadets must be selected to participate.

## 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
AP Precal* (2023-2024)
Science
AP Environmental Science
AP Biology
AP Chemistry
AP Physics 1
AP Physics 2

## Social Studies

AP Human Geography
AP European History
AP World History
AP Psychology
AP United States History
AP Microeconomics
AP Macroeconomics
AP US Government and Politics

## Other Subjects

AP Seminar
AP Research
AP Music Theory
AP Spanish
AP French
AP Art and Design Program
AP Art History
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
Agricultural Mechanics and Technology
Equipment Operations and Management
Environmental and Natural Resources Management
Outdoor Recreation
Wildlife Management
Agriculture, Food, and Natural Resources Internship, Work-based Credit
Plant and Animal Systems (ARHS)
Agricultural Science and Technology
Agricultural Mechanics and Technology
Agribusiness and Marketing
Farm Animal Production
Agriculture Science and Technology for the Workplace
Agriculture, Food, and Natural Resource Internship, Work-based Credit
Agriculture Food and Natural Resource Courses (DTCCTC)
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)

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
Account 1 \& 2 (ARHS)
Advanced Placement Computer Science A (FDHS)
Advanced Placement Computer Science Principals
Business Finance
Entrepreneurship
Exploring Computer Science
Fundamentals of Web Design and Development
Finance Internship, Work-Based Credit

Business Finance Internship, Work-Based Credit
Business Management \& Administration Internship, Work-Based Credit Informational Technology Internship, Work-Based Credit

## Health Science (DCCTC and DSD2 - FDHS and SHS)

Emergency Medical Science 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
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, ad SHS)
Introduction to Operating Systems
Network Security Concepts
Networking 1 \& 2
UNIX Administration
Cloud Computing Concepts
Computer Configuration $1 \& 2$
Information Technology Internship, Work-Based Credit
Law, Public Safety, \& Security (DCCTC)
Emergency \& Fire Management Services 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
Marketing Internship, Work-Based Credit
Manufacturing Technology (SHS)
Mechatronics Integrated Technology Industrial Safety
Mechatronics Integrated Technologies 1, 2, 3, 4
Manufacturing Internship, Work-Based Credit
Manufacturing Technology (DCCTC)
Marine 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 Environmental Sustainability (ARHS)
PLTW Civil Engineering and Architecture
PLTW Digital Electronics
PLTW Engineering Design and Development (SHS)
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
Logistics and Distribution 1, 2, 3, and 4
Transportation, Distribution, \& Logistics Internship, Work-Based Credit

## MIDDLE SCHOOL CTE COURSES

KEYBOARDING (Will not receive high school credit beginning 2019-20)
Course Code 2706
Recommended Maximum Enrollment 24
Grade Level 7, 8
CreditsNone
Prerequisite None
The Keyboarding course is designed for middle school students to master the skill of entering alphabetic, numeric, and symbolic information on a keyboard and a ten-key pad using the touch method of key stroking. Emphasis is placed on development of accuracy and speed, proper techniques, and correct finger positions. Students will further develop and enhance touch skills for entering information using a keyboard to compose and produce personal, educational, and professional documents. Digital literacy, composition, and language skills are embedded throughout the course.

DIGITAL LITERACY (Will not receive high school credit beginning 2019-20)
Course Code 2853
Recommended Maximum Enrollment 24
Grade Level
7, 8
CreditsNone
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.

FINANCIAL LITERACY (Will not receive high school credit beginning 2019-20)
Course Code 2705
Recommended Maximum Enrollment 24
Grade Level 7, 8
CreditsNone
Prerequisite None
Financial Literacy is designed to introduce the student to basic financial literacy skills to help them make responsible financial decisions. Concepts covered include financial planning, bank accounts, credit and loans, wages and taxes, investments, and insurance. Students will gain the information and skills to implement a lifelong plan for financial success.

## 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
CreditsNA
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
CreditsNA
Prerequisite $N A$
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 ${ }^{\circledR}$ 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
CreditsNA
Prerequisite $N A$
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
CreditsNA
Prerequisite $N A$
Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. 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 careers. 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, scientist, 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 a supervised agricultural experience.

# THE AGRICULTURAL SCIENCE AND TECHNOLOGY FOR THE WORKPLACE CP (ARHS) 562000CW Units: 2 

Grade Level 9, 10, 11<br>Prerequisite: None<br>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 a part of the instructional program. Each student is required to design and participate in a supervised agricultural experience.

## 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)

# AGRICULTURAL MECHANICS AND TECHNOLOGY FOR THE WORKPLACE 1 CP 560400CD <br> 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)

## EQUIPMENT OPERATION AND MAINTENANCE CP

| 560400CD | Units: 2 |
| :--- | :--- |
| 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, and 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.

This career field's current salary range in South Carolina is $\$ 13.43$ to $\$ 27.01$ 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 Driver's 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 and $\$ 10$ FFA dues is required for these courses each semester.

## ENVIRONMENTAL AND NATURAL RESOURCES MANAGEMENT FOR THE WORKPLACE 1 CP (DCCTC)

## 562800CD <br> 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 largescale 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 also be able join the Dorchester Dust Devils, DCCTC's clay sports team. A $\$ 20$ lab fee and $\$ 10$ FFA dues is required for this course.

## HORTICULTURE FOR THE WORKPLACE 1 CP

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 largescale 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.
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)

560000 CW
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) 569000 CW

## 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

## 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 <br> 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)

MEDIA TECHNOLOGY 2 CP (SHS only)

| 612400CW | Unit: 1 |
| :--- | :--- |
| 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)
MEDIA TECHNOLOGY 4 CP (SHS Only)
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) <br> 52900CW <br> 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) $\mathbf{5 2 9 0 0 0 C W}$

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 

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

500500 CW
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

 619000CWFINANCE INTERNSHIP, WORK-BASED LEARNING CREDIT CP 619000CW

Unit: 1
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)<br>555100CD Units: 2<br>CLINICAL OPTIONS: NURSING (CNA), DENTAL, VETERINARY, OR MEDICAL BACK OFFICE)<br>Grades: 10-12<br>Curriculum Includes: Health Science 3 (555200CD) and Health Science Clinical Studies (556000CD) Sites: DCCTC Dorchester \& DCCTC Trolley Road<br>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 **<br>** 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.<br>${ }^{* *}$ 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
559000 CW
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)

558300 HW
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.

## 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) 559000 HW

## 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 problemsolving 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 <br> 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.
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.

## COSMETOLOGY 1 CP (DCCTC) COSMETOLOGY 2 CP (DCCTC)

615000CD
615100CD

Units: 2
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) COSMETOLOGY 4 CP (DCCTC)

| 615200CD | Units: 2 |
| :--- | :--- |
| 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

## NAIL TECHNOLOGY 2 CP (NAIL DESIGNS AND TECHNOLOGY) (DCCTC) <br> 615501CD

Units: 2
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) 579000 CW

## 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

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 <br> 503300CW <br> 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:

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)

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) <br> 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 | 621000 CW | Unit: 1 |
| :--- | :--- | :--- |
| MECHATRONICS 2 CP | 621100 CW | Unit: 1 |
| (1st and 2nd Semester- double blocked) |  |  |
|  |  |  |
| MECHATRONICS 3 CP | 621200 CW | Unit 1 |
| MECHATRONICS 4 CP | $\mathbf{6 2 1 3 0 0} \mathrm{CW}$ | Unit 1 |

(1st and 2nd Semester - double blocked)
Grades: 9-12
Prerequisite: Contren ${ }^{\circledR}$ 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 entrylevel 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 $\$ 29.47$ per 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

542200 CW
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.

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.

## 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) <br> Grades: 10-12 $\mathbf{6 0 5 8 0 0 H W}$ 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 605400 HW 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.


#### Abstract

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 DIESEL ENGINE TECHNOLOGY 2 CP 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 DIESEL ENGINE TECHNOLOGY 4 CP

## 631200CD (2nd Year Fall Semester) Units: 2 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: 10-12Site: 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) 

 679000CWGrade: 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 <br> 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 <br> Hospitality \& Tourism <br> Education \& Training <br> Arts, AV Technology, and Communications <br> 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) <br> 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) <br> Science, Technology, engineering, and Mathematics (STEM) <br> 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 <br> AT TRIDENT TECHNICAL CDLLEGE

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

## ((0)) Tallo

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


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

## 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 <br> Multimedia/National Collegiate Livestock Coaches |
| Arts, A/V Technology and Communications | Adobe Certified Associate - Visual Communication with Adobe Photoshop | 80 | Adobe |
| Arts, A/V <br>  <br> Communications <br> (Also Business <br> Management and <br> Administration) | Adobe® Certified Associate-Web Communication with Adobe Dreamweaver | 81 | Adobe® |
| Arts, A/V Technology \& Communications | Adobe ${ }^{\circledR}$ Certified Expert | 65 | Adobe® |
| Business | QuickBooks Certified User (Intuit Quickbooks) | 158 | Certiport |
| Business Management \& Administration (also Arts, A/V Technology \& Communications) | Adobe ${ }^{\circledR}$ Certified Associate - Visual Communication with Adobe Photoshop | 80 | Adobe® |
| Business Management <br> \& Administration <br> (also Arts, A/V <br>  <br> Communications) | Adobe® Certified Associate-Web Communication with Adobe Dreamweaver | 81 | Adobe® ${ }^{\circledR}$ |
| 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 ${ }^{\circledR}$ |
| Business Management \&Administration | MOS: Microsoft Office Access 2013 | A36 | Microsoft ${ }^{\circledR}$ |
| Business Management \&Administration | MOS: Microsoft Office - Outlook 2016 | 106 | Microsoft ${ }^{\circledR}$ |
| Business Management \&Administration | MOS: Office -Power Point 2016 | 104 | Microsoft ${ }^{\text {® }}$ |
| Business Management \&Administration | MOS: Office 2010 - Access 2010 | 92 | Microsoft ${ }^{\circledR}$ |
| Business Management \&Administration | MOS: Office 2010 - Excel 2010 Expert | 89 | Microsoft ${ }^{\text {® }}$ |


| Business Management \&Administration | MOS: Office 2010 - Word 2010 Expert | 87 | Microsoft ${ }^{\circledR}$ |
| :---: | :---: | :---: | :---: |
| Business Management \&Administration | MOS: Office 2016 - Access 2016 | 105 | Microsoft ${ }^{\circledR}$ |
| Business Management \&Administration | MOS: Office 2016 - Word 2016 Expert | $\begin{aligned} & 10 \\ & 1 \end{aligned}$ | Microsoft ${ }^{\circledR}$ |
| 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 ${ }^{\circledR}$ |
| Finance (also <br> BusinessManagement <br> \& Administration, <br> 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 ${ }^{\text {® }}$ |
| Human Services(also Hospitality \& Tourism) | ServSafe® Food Handler | 49 | ServSafe ${ }^{\text {® }}$ |
| 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 ${ }^{\circledR}$ |
| Information Technology | CompTIA A+ (Same as Microsoft A+) | 01 | CompTIA: <br> Information |
| Information Technology | CompTIA Cloud Essentials | 275 | CompTIA: <br> Information |
| Information Technology | CompTIA CySA+: Cybersecurity Analyst | 274 | CompTIA: <br> Information <br> Technology (IT) |


|  |  |  |  <br> Association |
| :--- | :--- | :--- | :--- |
| Information <br> Technology | Cloud Essentials | National |  |
| Information <br> Technology | CompTIA IT Fundamentals | A7 | CompTIA: <br> Information <br> Technology (IT) <br>  <br> Association |
| Information <br> Technology | Networking Fundamentals | Nechnology | CompTIA Linux+/LPIC-1 |


| Marketing | Retail Industry Fundamentals, National <br> Retail Federation | 214 | National Retail Industry |
| :--- | :--- | :--- | :--- |
| Science, Technology, <br>  <br> Mathematics | Autodesk Inventor Certified User Exam | A54 | Autodesk® |

# CONCENTRATOR COURSES 

## Dorchester School District Two

The Strengthening Career and Technical Education for the $21^{\text {st }}$ 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.

| $\begin{aligned} & \text { CIP } \\ & \text { Code } \end{aligned}$ | Program | Course <br> 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 <br> Natural Resources <br> 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 - <br> Foundations of Healthcare Professionals | 5551 | Health Science 2 - <br> 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 <br> 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: <br> 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 <br> with <br> 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 <br> 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 - <br> 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 <br> 5422 | Advertising <br> Digital Media Marketing | 5421 | Marketing |
| 521401 | Marketing Management | 5421 | Marketing | 5431 | Marketing Management |
|  |  |  |  | 5426 | Sports and Entertainment <br> 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 <br> Applications - Course 2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 110701 | Computer Science (Project Lead the Way) | 6372 | PLTW - Computer Science Essentials | 6377 | PLTW - Computer <br> 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 |
| Transpo | tion, Distribution, and Log |  |  |  |  |
| 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 |

