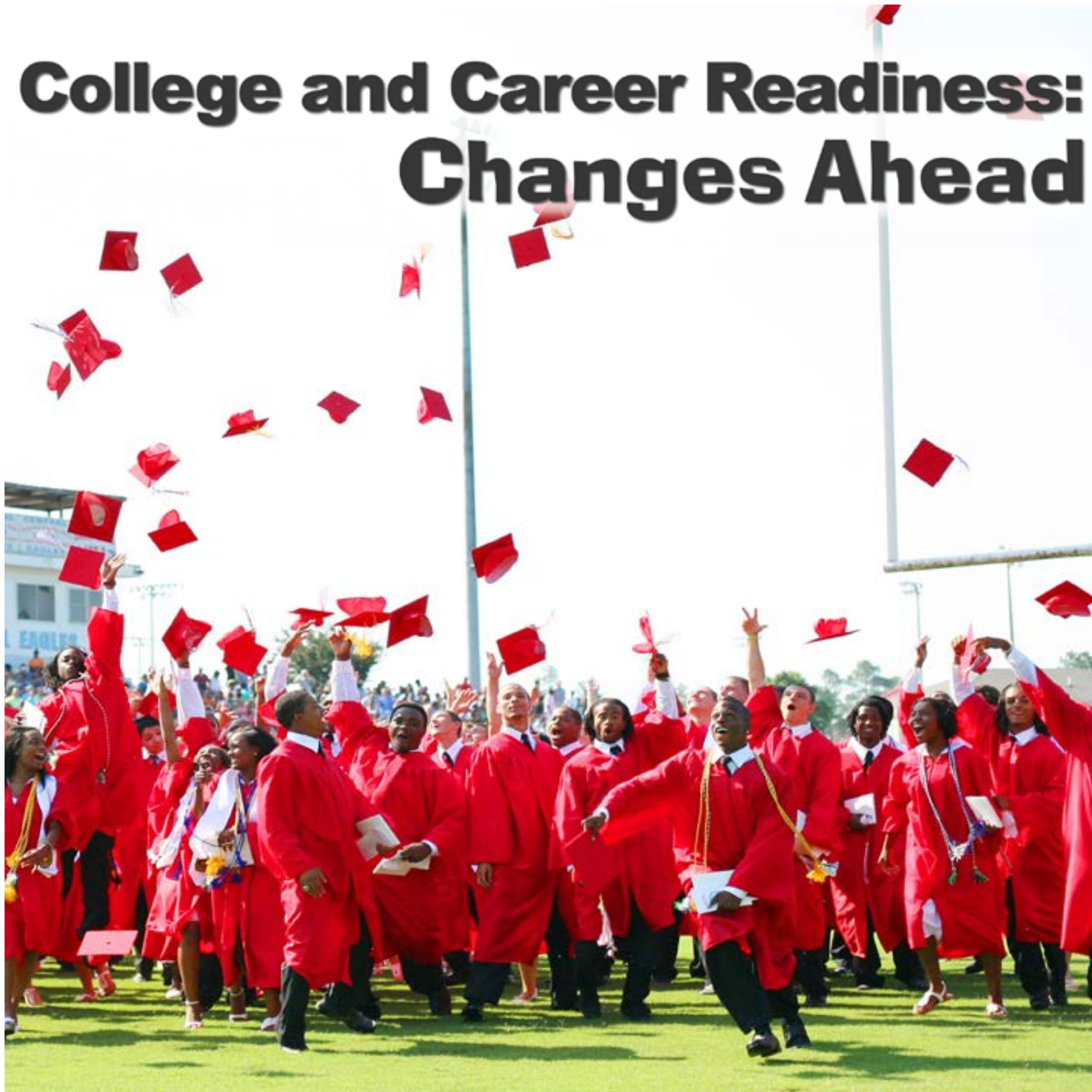


CENTRAL HIGH SCHOOL **COURSE**GUIDE

2015-2016
Programs of Study
for Grades 9-12

200 Zion Church Road Pageland, SC 29728 ♦ Tel: (843) 672-6115 ♦ Fax: (843) 672-2694

College and Career Readiness: Changes Ahead



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Common Core State Standards Content Brief <i>English Language Arts and Literacy in History/Social Studies & Science</i>	
Responding to the Evidence Base	
Clear focus on College and Career Readiness.	
• A particular standard was included in the document only when the best available evidence indicated that its mastery was essential for students to be college and career ready in a twenty-first century, globally competitive society. As new and better evidence emerges, the Standards will be revised accordingly. By focusing on the most essential elements of college and career success, teachers and students gain time to practice and achieve excellent performance.	
Greater focus on Text Complexity.	
• There is clear evidence that the texts students are reading today are not of sufficient complexity rigor to prepare them for the reading demands of college and careers. The Standards devote as much attention to the complexity of what students are reading as to how students read. As students advance through the grades, they must both develop their comprehension skills and apply them.	
Shared responsibility for students’ literacy development.	
• Most college and career reading consists of sophisticated informational text in a variety of content areas. The Standards include a significant focus on informational text in grades 6-12, and a special section designed for history/social studies and science teachers to supplement the content standards in their respective discipline. This focus is in addition to, not in place of literacy texts.	
A focus on writing to argue or explain in the later grades.	
The Standards include student capacity in three	
Central High School	
REPORT OF PRINCIPAL AND SCHOOL IMPROVEMENT COUNCIL	
2014 School Report Card	
• During the 2014-2015 school year, Central High School as continued to pursue its mission of “preparing productive citizens and life-long learners in an ever-changing society.” The school focused on improving graduation rates and increasing the passing rate on the End-of-Course Tests (EOCs). For the first time in the school’s history, we received an Excellent rating on the State Report Card and an 89.2 ESEA rating. The initiatives and combined efforts of the staff and community have produced positive results for Central High School.	
• Central High School was awarded a three-year At-Risk Student Innovative Competitive Grant	

areas of writing argument, information/explanation, and narrative. As students progress toward grades 9-12, the emphasis on writing shifts to focus overwhelmingly on writing to argue, inform and explain. This emphasis is in accordance with NAEP’s shifting emphasis.

Research and media skills Integrated into the Standards as a whole.

In college and the workforce, students will need to research information and must consume and produce media. As media is embedded into every element of today’s curriculum, it is also embedded throughout the Standards rather than treated as a separate session.

Recognition that both content and skills are important.

The Standards require certain critical content for all students, including classic myths and stories from around the world. American’s Founding Documents, American Literature and Shakespeare. Appropriately, the remaining crucial decisions about what content should be taught are left to state and local determination. In addition to content coverage, the Standards require that students systematically acquire knowledge in literature and other disciplines through reading, writing, speaking and listening.

Benefits of the Common Core State Standards

The Common Core State Standards Initiative (CCSSI) is a state-led effort coordinated by the National Governors Association (NGA) and the Council of Chief State School Officers (CCSSO).

•Preparation: The standards are college-or-career ready.

•Competition: The standards are internationally benchmarked.

•Equity: The expectations of the standards are consistent for all and not dependent on

a student’s zip code.

•Clarity: The standards are focused, coherent, and clear.

•Collaboration: The standards create a foundation to work collaboratively across states and districts.

Benefits for South Carolina

The CCSS are a clear set of shared goals and expectations of the knowledge and skills that will help students succeed in English language arts and mathematics.

The CCSS have been built from the best state standards in the country. They are evidence-based, aligned with college and work expectations, and include rigorous content and skills. Common standards will ensure more consistent exposure to material and learning experiences for all.

Common Core State Standards Resources

To view the Common Core State Standards, please go to the following URL: <http://www.ed.sc.gov/agency/programs-services/190/>

To view Frequently Asked Questions concerning the Common Core State Standards, please go to the following URL: <http://www.corestandards.org/frequently-asked-questions> To view the National PTA Parent Guides to Student Success, please go to the following URL: <http://www.pta.org/4446.htm>

For More Information Contact:

Dr. Susan Little, Asst. Superintendent
Chesterfield County School District
401 West Blvd.
Chesterfield, SC 29709
Phone: 843-623-5509

our school with one individual winning the state championship in two events. The wrestling team also had one individual winning the 2AA state wrestling championship for the second consecutive year in his event. Our marching band has experienced continuous growth in the number of participants as well. Continued efforts in these fields will only lead to continued success for all of the stakeholders at Central High School.

Central looks forward to building on these successes and striving to achieve its mission of helping each student reach his or her potential.

Dr. Juddson W. Starling, Principal
Jennifer Dillon, SIC Chairperson

For more information about the opportunities at Central High School, please call 843-672-6115 or visit the district web site at www.chesterfieldschools.org and click on Schools.

GENERAL INFORMATION

Curriculum Offerings

Chesterfield County School District has curriculum offerings in **honors and college prep**. These curriculum options require the same number of units for graduation, and they stress strong preparations in English, mathematics, social studies, and the sciences. Students are urged to select the highest level of academic course work they can handle successfully and to select Career and Technology Education courses related to career goals. Course offerings prepare students for post secondary institutions and the workplace. Dual credit courses allow high school students capable of completing college-level work to earn both high school units and college credit toward a degree program. Several Advanced Placement courses are also available to high school students who have completed rigorous prerequisite courses. Discuss these options with your guidance counselors and teachers.

Career and Technology Education

The mission of Career and Technology Education in Chesterfield County School District is to prepare students for post-secondary study and/or workforce entry in a global environment, to promote lifelong learning, and to enhance economic development.

Courses in the Career and Technology Education curriculum are critical to your **Personal Pathway to Success** and our state’s economic success. Opportunities for rewarding careers exist for young people who are prepared to enter a technologically demanding workforce that is responsive to the needs of a dynamic economy. Technology education is the centerpiece of our skills education delivery system.

Chesterfield County School District welcomes and encourages the participation of all students in the Career and Technology Education program. It is our goal to provide outstanding educational opportunities for all students regardless of their race, creed, national origin, gender, handicap, or disadvantaged condition.

Exceptional Education Curriculum

Chesterfield County School District’s Exceptional Education Program provides a tiered support service for individuals with a documented disability as recognized by the State of South Carolina. Curricula are tailored to the needs of the individual students served as outlined by the Individualized Education Plan. Students are enrolled in a program that is specifically designed to instruct them in their areas of weaknesses while providing them the needed supports

to ensure progress within the general curriculum. Students receive instruction in the least restrictive environments which are: consultative, inclusion, resource, and self-contained. All courses of study within the Exceptional Education Department are linked to the students’ interests and preferences in order to prepare them for the workforce and/or post-secondary learning.

Guidance Services

The purpose of guidance services is to aid the total educational program in helping students fulfill their potential for growth. Professionally trained counselors are available during the school day and before and after school.

Guidance counselors and career specialists work with teachers and administrators to serve the needs of students best. Services include, but are not limited to, career development activities and counseling, job shadowing, personal counseling, work-based activities, referral services, academic counseling, college counseling, scholarship and financial aid information, study skills, parenting information, placement, orientation for new students, test preparation for college admission testing, crisis counseling, parent conferences, individual assessment, group activities, test interpretation, career assessment activities, access to the job development program, recommendations for college admissions and scholarships, presentations to community groups and organizations, and the maintenance of student records, including the student’s individual graduation plan.

The written consent of a parent is required before the school can release a student’s record to anyone outside designated educational categories. The student, upon reaching 18, must give consent for the release of information.

Schedule Changes

Students are encouraged to choose courses carefully during the registration period. It is the individual student’s responsibility to ensure that selected courses meet requirements for graduation and college admission.

Schedule changes are limited because of conflicts in the master schedule and enrollment numbers.

Some course offerings may not be scheduled because of low enrollment. In this case, alternate selections made by the student during registration will be used.

First priority for schedule changes will

be given to seniors who need a required course for graduation.

Promotion Standards

Students must meet minimum credit standards listed below in order to be promoted each year:

Sophomore:
6 units, including 1 unit of English and 1 unit of math

Junior:
12 units, including 2 units of English and 2 units of math

Senior:
18 units, including 3 units of English and 3 units of math

Academic Achievement Honors Award

In order to receive an Academic Achievement Honors Award, a student must:

- complete a minimum of 24 units as prescribed
- receive a minimum grade of “B” for each semester course in grades 9-12 through the seventh semester,
- earn either a score of 710 on the SAT Verbal or a score of 690 on the SAT Math or an ACT score of 30 on English or a 33 on the Mathematics or earn a combined score of 1400 on the SAT or a composite score of 31 on the ACT.

Of the 24 units earned, 18 must be college preparatory coursework, 4 units in additional electives, and 2 units in one or more of the following subjects: English, science, social studies, or mathematics.

College preparatory course work includes English (four units in English 1 and above); mathematics (four units in Algebra 1 and above); laboratory science (three units); social studies (three units: one unit in United States/South Carolina studies, one-half unit in economics, one-half unit in American government, and one unit in either global studies/world history, global studies/world geography, or Western civilization); computer science (one unit); physical education (one unit); and modern and classical language (two units). The ten seniors with the highest cumulative GPA will be recognized as Honro graduates and receive honor stoles to be worn

at graduation.

Attendance Policy

By state regulation, students must be in attendance 120 hours for each full-unit course in order to receive credit and 60 hours for a half-unit course; therefore, students with semester courses (Block Schedule) must be in attendance 85 days for each full-unit class and 42 days for each half-unit class. Students are allowed 5 days of absences for a full-unit class, and 3 days of absences for a half-unit class.

Students with year-long courses (7 Period Schedule) must be in attendance 170 days for each full-unit class and 85 days for each half-unit class. Students are allowed 10 days of absences for a full-unit class, and 5 days of absences for a half-unit class.

All absences will be handled by the principal in accordance with state and district attendance policies. (If a student has excessive absences in a class, an “FA” will appear on the student’s transcript. If a student earned a passing grade, the quality points used for GPA will be those equivalent to a 61.)

Athletic Eligibility Regulations

1. To be eligible in the first semester a student must pass a minimum of five Carnegie units applicable toward a high school diploma during the previous year. At least two units must have been passed during the second semester or summer school.

To be eligible during the second semester the student must meet one of the following conditions:

- If the student met first semester eligibility requirements then he or she must pass the equivalent of four, 1/2 units during the first semester.
- If the student did not meet first semester eligibility requirements then he or she must pass the equivalent of five, 1/2 units during the first semester.

2. Students must satisfy eligibility requirements in the semester preceding participation.

- Credits earned in a summer school approved by the State Department of

GENERAL INFORMATION *(continued)*

- Education may apply for the first semester eligibility. A maximum of two units per year may be used.
- b. Students eligible for a first semester sport will be permitted to complete that sport even if it extends into the second semester. Under the current League program, this will apply to participants in basketball and wrestling in the high school and middle school programs.

In most cases on a traditional or AB block schedule, the following example would apply:

- If eligible first semester, must pass four subjects.
- If not eligible first semester, must pass five subjects.

Remediation Requirements

Standardized test scores are used to identify students who need extra help to achieve the required level of performance. Students who are below standard in reading should take an additional course in English Enrichment. Students who are below standard in math should take Math Enrichment in addition to the regular math class. Seniors that have not passed the Exit Exam are given priority placement in these remediation classes. These courses count as elective units. Students also receive remediation through their required language arts and mathematics classes, as well as in the computer labs.

Early Dismissal

Students who have earned senior classification are required to enroll only in those courses required for graduation/college entry and may schedule late arrivals or early dismissals for the purpose of enrolling in college courses or pursuing work opportunities.

Student Fees

All high school students in Chesterfield County School District are assessed an instructional fee each year, payable at the beginning of the school year. Other fees may include a parking permit for students who wish to drive to school and a locker fee.

Exam Exemption Policy

Final exams are mandatory for all secondary students (grades 9-12) with the excep-

tion of those meeting exemption criteria.

For a senior to exempt, he/she must meet the following criteria:

- Have a "B" average in the course.
- Total absences (excused and unexcused) may not exceed two in a nine week course, four in a semester course, and eight in a year long course.

For a student in grades 9-11 to be exempt, he/she must meet the following criteria:

- Have a "A" average in the course.
- Total absences (excused and unexcused) may not exceed two in a nine week course, four in a semester course, and eight in a year long course.

All secondary students will be eligible to exempt exams with the exception of the South Carolina mandated end of course exams. *(Currently, those courses include Algebra I, English I, Biology 1, and U.S. History.)*

All exams count 20% of the student's grade.

Participation in Graduation Ceremonies

In order to participate in a graduation exercise conducted by any high school in the Chesterfield County School District, students

Must pass all of the unit requirements for a diploma established by the South Carolina State Department of Education.

Must be actively enrolled during the school year in which they wish to participate.

Must have no disciplinary action pending at the time the graduation exercise is held.

Must have no financial indebtedness to the school at the time of graduation.

Certificate-track exceptional education students may participate in the graduation ceremony upon completion of their individual education plan.

Each high school principal will be responsible for ordering diplomas for his summer school students. The Director of Adult Education will be responsible for ordering all other diplomas.

Graduation Requirements

To be eligible to receive a South Carolina High School Diploma, students must earn 24 units and demonstrate proficiency in computer literacy. Based on state law, requirements to receive a South Carolina High School Diploma (graduation requirements) for students in Grades 9 through 12 are prescribed as follows

Language Arts	4 units
Mathematics.....	4 units
Natural Science	3 units
U.S. History	1 unit
Government5 unit
Economics5 unit
Other Social Studies	1 unit
Physical Education	1 unit
<u>or J.R.O.T.C.</u>	
Computer Science.....	1 unit
Modern and Classical	1 unit
Language* <u>or</u>	
Career & Tech. Elective**	
Other Electives	7 units
Total Required	24 units

*Most four-year institutions require two or three years of the same language as part of their entrance requirements.

**Students planning to attend a two-year institution, e.g., Northeastern Technical College (NETC), or who are planning to enter the workforce immediately must earn at least one unit in a Career and Technology area. Generally, this additional unit would be a fourth unit in the same career and technology area in which the student has earned at least three units in a major or career cluster.

Uniform Grading Scale for all South Carolina Students

A	93 - 100
B	85 - 92
C	77 - 84
D	70 - 76
F	below 70

Use of Non-Numeric Codes in High School Grade Reporting Incomplete (I)

Indicates that the student's mark for this reporting period is not being reported at this time due to work that must be completed by the student.

Withdrew Passing (WP)

Indicates that the student did not complete the course but had a passing grade at the time of withdrawal. The grade of WP will carry no Carnegie units and no quality points to be factored into the student's GPA.

Withdrew Failing (WF)

Indicates that the student did not complete the course and is assigned a failing grade in the class due to his or her withdrawal. The grade of WF will carry no Carnegie units but will be factored into the student's GPA as a 61.

Failure Due to Excessive Absences (FA)

Indicates that the student received a final passing grade in the class but credit is being denied due to excessive absences in this class. An "FA" will appear on the student's transcript, and the grade will be converted to a 61.

Exempted Exam (EX)

Indicates that the student has fulfilled whatever academic and attendance requirements that exist allowing him to exempt the indicated exam in the class.

Grade Point Conversion Chart

Chesterfield County School District has fully implemented the state's Uniform Grading Policy developed for all South Carolina high school students. Grade point ratios are computed for all students seeking a high school diploma. The Uniform Grading Policy scale is as follows:

GENERAL INFORMATION *(continued)*

Numerical Average	Letter Grade	College Prep	Honors	Dual Credit/ AP/IB
100	A	4.875	5.375	5.875
99	A	4.750	5.250	5.750
98	A	4.625	5.125	5.625
97	A	4.500	5.000	5.500
96	A	4.375	4.875	5.375
95	A	4.250	4.750	5.250
94	A	4.125	4.625	5.125
93	A	4.000	4.500	5.000
92	B	3.875	4.375	4.875
91	B	3.750	4.250	4.750
90	B	3.625	4.125	4.625
89	B	3.500	4.000	4.500
88	B	3.375	3.875	4.375
87	B	3.250	3.750	4.250
86	B	3.125	3.625	4.125
85	B	3.000	3.500	4.000
84	C	2.875	3.375	3.875
83	C	2.750	3.250	3.750
82	C	2.625	3.125	3.625
81	C	2.500	3.000	3.500
80	C	2.375	2.875	3.375
79	C	2.250	2.750	3.250
78	C	2.125	2.625	3.125
77	C	2.000	2.500	3.000
76	D	1.875	2.375	2.875
75	D	1.750	2.250	2.750
74	D	1.625	2.125	2.625
73	D	1.500	2.000	2.500
72	D	1.375	1.875	2.375
71	D	1.250	1.750	2.250
70	D	1.125	1.625	2.125
69	F	1.000	1.500	2.000
68	F	0.875	1.375	1.875
67	F	0.750	1.250	1.750
66	F	0.625	1.125	1.625
65	F	0.500	1.000	1.500
64	F	0.375	0.875	1.375
63	F	0.250	0.750	1.250
62	F	0.125	0.625	1.125
0-61	F	0.000	0.000	0.000
61	FA	0.000	0.000	0.000
61	WF	0.000	0.000	0.000
--	WP	0.000	0.000	0.000

Personal Pathways to Success

The Education and Economic Development Act (EEDA), "Personal Pathways to Success" is a program designed to better prepare South Carolinians by improving career development, workforce development and economic development for our citizens through early career planning and an individualized curriculum. Students in grades 8-12 are required to meet annually for an Individual Graduation Plan (IGP) conference with their counselor and parent/parents to plan courses related to college and career readiness. Parents or parental designees of all students are required to attend their child's IGP conference.

The IGP must:

- Align career goals and a student's course of study based on involvement in career guidance;

- Be based on the student's selected cluster of study and an academic focus within that cluster;

- Include core academic subjects, which must include, but are not limited to English, math, science, and social studies to ensure that requirements for graduation will be met;

- Include experienced-based, career-oriented learning experiences including, but not limited to internships, apprenticeships, shadowing, mentoring, co-op education, and service learning;

- Be flexible to allow change in the course of study but be sufficiently structured to meet graduation requirements and admission to post-secondary education;

- Incorporate provisions of a student's Individual Education Plan (IEP) when appropriate; and

- Be approved by a certified school guidance counselor and the student's parents, guardians, or other individuals appointed by the parents or guardians to serve as their designee. (59-59-140)

Advanced Placement, Dual Credit and Dual Enrollment

A wide variety of Advanced Placement courses are offered to students enrolled in Chesterfield County School District. For more information about individual AP courses, contact your High School Guidance Counselor or visit the following website: www.collegeboard.com/student/testing/ap/about.html.

Students should be mindful that Advanced Placement courses have the rigor of a college course in both pace and content. If you feel you are not prepared for the extra work required for these courses, please consider enrolling in a non-Advanced Placement course.

In addition to the College Board Advanced Placement program, there are several other opportunities for students to earn college credits while in high school. Counselors work with students to explore feasible options within district policies and procedures. It is not always possible, however, to meet the demands of college/university scheduling.

Dual credit allows high school students who have mastered or nearly mastered the high school curriculum and who are capable of college-level work to earn simultaneously both high school units toward graduation from high school and course credit toward an associate degree or transfer to a bachelor's degree program. A permission form will be signed by the Principal, student and parent granting this authorization.

Dual enrollment allows high school students, with permission of their high school principal or designee, to enroll in college courses to earn college credit toward an associate or bachelor's degree while in high school.

Please note the following about dual credit:

1. Courses in addition to those listed above may be approved for dual credit by the Principal based on his/her analysis of the student's high school transcript. A permission form will be signed by the Principal, student and parent granting this authorization.
2. All other coursework not approved by the Principal will not be considered dual enrollment and will not transfer to the high school transcript.
3. Dual credit courses will be open to all students.

South Carolina Virtual School

The South Carolina Virtual School is designed to give students the opportunity to take online courses and get credit toward their high school diploma. Online learning is used by students who want to accelerate their progress and by those who need to catch up in courses in which they might fall behind during the year.

The South Carolina Virtual School allows for independent instruction for students so they can work at their own pace, in their own place, and at anytime of the day. Students should work with school counselors to determine appropriate options for enrollment.

To learn more, visit: <https://scvspconnect.ed.sc.gov>

Content Recovery Program

The Content Recovery Program is designed to address students who fail a nine weeks with a grade of 60-69 in the content area(s) of: English, Math, Science, and/or Social Studies (Geography, US History, or World History). Content Recovery is offered at the end of the 2nd and/or 3rd nine weeks.

Students may take only one Content Recovery at a time. Students who successfully complete assignments for Content Recovery will receive a grade of 70 for the 2nd and/or 3rd nine weeks.

Students are required to pay a fee in order to participate in the Content Recovery Program.

Saturday School

Students may make up no more than 5 unexcused absences per semester in Saturday School. Saturday school is held from 8:00am-12:30pm on 5 Saturdays during the final quarter of each semester to allow students to regain credit for courses they are passing. The dates for Saturday School are posted and announced at least two weeks prior to the first Saturday session. An announced fee is charged for attendance at Saturday school.

BEYOND HIGH SCHOOL

Educational and Career Assessments

Any student planning to attend a four-year college needs to begin preparation by taking a rigorous course load to prepare for successful college performance as well as for college entrance examinations. The preliminary tests to prepare students for the entrance exams are the **EXPLORE**, **PLAN** and **PSAT**. The college entrance exams are the **ACT** and the **SAT**. Test dates for the **ACT** and **SAT** are set nationwide. Students must complete online application and remit the required fee prior to the testing date. The following is a brief description of each of the tests:

PSAT

The PSAT/National Merit Scholarship Qualifying Test (**PSAT**, **NMSQT**) introduces students to the organization and question types found on the **SAT**. The junior year scores are also used in selecting semifinalists for the National Merit Scholarship awards. Several colleges and programs, such as the Governor's School, use the **PSAT** for determining early admissions or as a part of their selection process. This test is offered each October to students in grades 10 and 11. All college bound students are encouraged to pay the registration fee and take the **PSAT** in their junior year. Besides providing practice for the **SAT**, the junior year **PSAT** scores are used for National Merit qualification and by other groups as criteria for scholarships.

Additionally, the **PSAT** helps students determine their level of preparation for college and helps students predict how they might score on the **SAT**.

ACT and SAT

The **ACT** and the **SAT** are tests used by college admission offices and scholarship selection committees as one of several indicators of students' potential to complete college level work successfully. Fee waivers are available upon request to juniors and seniors who qualify for free or reduced lunch.

The **ACT** provides a measure of how well students can perform the skills necessary for college coursework. The **ACT** Assessment measures these skills in English, mathematics, reading, and science. An optional writing test is also available. These areas are tested because they include the major areas of instruction in most high school and college programs.

On the **ACT**, each of the subtests is scored on a scale of 1 to 36. The optional writing test is also scored on a scale of 1 to 36.

The composite score is derived from the four required subtests of English, mathematics, reading, and science. A composite of 24 on the **ACT** is comparable to a total score of 1100 on the Critical Reading and Math portions of the **SAT**.

The **SAT** is a multiple-choice test with critical reading, math, and writing sections. Each section of the test has a score range of 200 to 800; thus, the score range for the entire test is 600 to 2400. The critical reading portion tests students on genre, relationship among parts of a text, cause and effect, rhetorical devices, and comparative arguments. Reading passages are taken from the natural sciences, humanities, and social sciences. The math portion tests students' ability to solve problems involving arithmetic reasoning, Algebra 1, Algebra 2, and Geometry.

Students are allowed, but not required, to use a calculator. On the writing section of the **SAT**, students complete an essay and answer multiple-choice questions designed to measure students' ability to improve sentences and paragraphs and identify errors (diction, grammar, sentence construction, subject-verb agreement, proper word usage, and wordiness. Although a student's high school record is the single best predictor of potential for success in college, a combination of the high school record and **SAT** or **ACT** scores is a more reliable indicator.

Personal Pathways to Success

Personal Pathways to Success is an Internet based system that provides educational and career planning resources that bring together all South Carolinians - students, parents, educators, adult job seekers, and employers.

The following links provided by DISCUS, SCOIS and SCETV'S Career Isle connect to information and tools for career assessment, exploration and preparation:

DISCUS

Digital Information for SC Users is an online database of resources provided free of charge to SC citizens. It provides access to assessments, practice tests, career e-books, career videos, professional journals and much more.

SCOIS

SCOIS provides up-to-date educational and career information through South Carolina's own Career Information Delivery system (SCOIS-CIS). The SCOIS Career System works to allow students to take

career assessments related to interests, skills and values; to watch career-related videos; save information in a portfolio; work on soft skills; and more.

SCETV's Career Aisle

SCETV Provides resources for students, parents and counselors to assist with the career awareness, career exploration, and career preparation of students with the objective of facilitating a successful transition into post-secondary opportunities and the 21st century global workplace.

Personal Pathways to Success can be found at www.ed.sc.gov.

WORKKEYS

WorkKeys, **ACT**'s workplace assessment tool, is the gold standard in skills testing. **WorkKeys** is used in high schools and community and technical colleges across the country to measure real-world skills. Taking **WorkKeys** tests is an important first step in preparing for education, training, or a career after high school. **WorkKeys** scores help students compare their skills to the skills real jobs require.

ASVAB

All students are given an opportunity to take the **ASVAB** (Armed Services Vocational Aptitude Battery) during high school. The test consists of eight short individual tests covering word knowledge, paragraph comprehension, arithmetic reasoning, mathematics knowledge, general science, auto and shop information, mechanical comprehension, and electronics information.

Test results are used with the book, *Exploring Careers: The ASVAB Workbook*, which enables students to match interests, abilities, and personal preferences to over 200 occupations. There is no charge for the **ASVAB**. The testing is scheduled by each high school during the school year.

COMPASS

Two-year technical colleges require placement tests. The main purpose of the placement test is to help students identify strengths and needs and to build a solid plan for success. Northeastern Technical College (NETC) requires placement information of entering students who wish to enroll in a program of study or in any English or math courses. The primary test used by NETC is **COMPASS**. These tests may be waived for the student who

- has earned a degree from an accredited institution;
- has earned appropriate program-

- level college credit in English, math and/or reading (within ten years) at NETC or another accredited institution; or
- has appropriate SAT scores (480 Critical Reading, 480 Math), or ACT scores (20 Composite). Sections of the COMPASS may be required if either score is not sufficient.

Certain stipulations may apply. Questions can be answered by calling NETC.

LIFE Scholarship

The South Carolina General Assembly established the Legislative Incentives for Future Excellence (LIFE) Program in 1998 to increase access to higher education, to improve employability of South Carolina's students, to provide incentives for students to be better prepared for college, and to encourage students to graduate from college on time.

Eligible full-time students may receive the following awards:

- Up to \$5,000 (including a \$300 book allowance) each academic year toward the cost of attendance at an eligible four-year institution in South Carolina. Limited to ten (10) terms for the first approved five-year bachelor's degree program or eight (8) terms for the first bachelor's degree program;

or

- Up to the cost of tuition plus a \$300 book allowance each academic year at an eligible two-year public or technical institution in South Carolina. At the two-year independent institution in South Carolina, students may receive up to the maximum average of the cost of tuition at the two-year USC regional campuses. Limited to two (2) terms for the first one-year program or four (4) terms for the first associate's degree program or a two-year program that is acceptable for full credit toward a bachelor's degree.

Initial Eligibility at Four-year Institutions:

Students must meet two of the following three criteria:

- 1. Earn at least a 3.0 cumulative GPA based on the SC Uniform Grading Scale upon high school graduation

- 2. Rank in the top 30 percent of the graduating class

- 3. Score at least 1100 on the SAT (or 24 on the ACT) through June of the senior year. Only the math and critical reading scores of the SAT may be included.

Initial Eligibility at Two-year Institutions:

- Graduate from high school with at least a cumulative 3.0 GPA based on the SC Uniform Grading Scale.

Students Must Also:

- Be SC residents at the time of high school graduation and college enrollment;

- Not be recipients of the Palmetto Fellows Scholarship, SC HOPE Scholarship or Lottery Tuition Assistance; and
- Meet all general eligibility criteria.

There is no application required for the LIFE Scholarship. The eligible institution will notify students if they qualify for the Scholarship.

Palmetto Fellows Scholarship

The South Carolina General Assembly established the Palmetto Fellows Scholarship Program in 1988 to retain academically talented high school graduates in the state through awards based on merit. Eligible full-time students may receive a scholarship of up to \$6,700 annually for a maximum of eight terms.

Initial Eligibility Requirements:

Applications for early awards must be submitted to the Commission on Higher Education for the Palmetto Fellows Scholarship by the date established in **December** each academic year. High school seniors may apply if they meet one of the two following academic requirements (students **cannot** use these criteria to meet the final award criteria):

- Score at least 1200 on the SAT (27 on the ACT) by the November test administration, earn a minimum 3.50 cumulative GPA on the SC Uniform Grading Scale (UGS) at the end of the junior year, and rank in the top six percent of the class at the end of either the sophomore or the junior year; or

- Score at least 1400 on the SAT (32 on the ACT) by the November test administration and earn a minimum 4.00

- cumulative GPA on the SC UGS at the end of the junior year.

Applications for final awards must be submitted to the Commission on Higher Education for the Palmetto Fellows Scholarship by the date established in **June** each academic year.

Students must not be recipients of the LIFE Scholarship, SC HOPE Scholarship, or Lottery Tuition Assistance.

Scholarship Enhancements for LIFE and Palmetto Fellows Scholarship Recipients in Math and Science Programs

The purpose of the new program is to increase the number of college graduates in math and science areas needed to support the new knowledge-based economy. The enhanced awards are being made available to students in their sophomore year who meet the eligibility requirements for the LIFE or Palmetto Fellows scholarships and are pursuing program majors in the following areas: science, mathematics, computer science or informational technology, engineering, science education, math education, and healthcare and related disciplines including medicine and dentistry.

Students will need to take fourteen credit hours in math and science during their freshman year in college. The fourteen hours must include at least six hours in mathematics and at least six hours in life and physical sciences including one laboratory course.

Students who satisfy the LIFE scholarship eligibility requirements are currently awarded up to \$5,000 per year. Students meeting the eligibility requirements for the new LIFE enhancement for majoring in the eligible math or science programs will receive up to \$7,500 per year beginning their sophomore year.

Freshmen who satisfy the Palmetto Fellows eligibility requirements are awarded up to \$6,700 per year. All Palmetto Fellows recipients who are sophomores and above will receive up to \$7,500 per year. Those meeting the eligibility requirements for the enhanced Palmetto Fellows award for majoring in eligible math and science programs will receive up to \$10,000 per year.

As in the case with the LIFE and Palmetto Fellows scholarships, the awards with the

enhancement cannot exceed a student's cost of attendance, students must be South Carolina residents for tuition and fee purposes, and students must be attending an eligible public or independent institution in South Carolina.

For specific information on the regulations and academic requirements for the new LIFE and Palmetto Fellows Scholarship enhancements and other state scholarship programs, please visit the Commission's website at www.che.gov or contact the Commission at (803) 737-2260. A toll-free number, 1-877-349-7183, is available for calls after office hours each Tuesday through Thursday from 5:30pm until 8:30pm.

SC Hope Scholarship

The SC HOPE Scholarship Program was established under the SC Education Lottery Act in 2001. It is a one-year merit-based scholarship created for eligible first-time entering freshmen attending an eligible four-year institution in South Carolina. Eligible full-time students may receive up to \$2,650 (including a \$150 book allowance) toward the cost of attendance for a maximum of two terms.

Initial Eligibility Requirements:

- Earn a cumulative 3.0 GPA on the SC Uniform Grading Scale upon high school graduation,

- Be SC residents at the time of high school graduation and college enrollment,

- Not be recipients of the Palmetto Fellows Scholarship, LIFE Scholarship or Lottery Tuition Assistance, and

- Meet all general eligibility criteria.

There is no application required for the SC HOPE Scholarship. The eligible institution will notify students if they qualify for the scholarship.

Lottery Tuition Assistance Program

The Lottery Tuition Assistance Program was established under the SC Education Lottery Act in 2001. Award amounts are dependent upon the number of students eligible and the amount of funding available each academic year.

Initial Eligibility Requirements:

- Must complete and file a Free Application for Federal Student Aid (FAFSA) each academic year or complete a FAFSA Waiver (only available to certain students);

- Must be enrolled for a minimum of six credit hours and be degree-seeking each term;

- Must not be recipients of a LIFE, Palmetto Fellows, or SC HOPE Scholarship during the academic year (fall, spring, or summer terms);

- Must not receive Lottery Tuition Assistance for more than one certificate, diploma, or degree earned within any five year period unless the additional certificate, diploma, or degree constitutes progress in the same field of study; and

- Must meet all general eligibility criteria.

NCAA Requirements

Students wishing to play Division I or Division II collegiate sports must apply online to the NCAA Clearinghouse. Eligibility for collegiate sports requires 14 core course credits for Division II and 16 for Division I. The breakdown of core course credits may be checked online. The minimum grade point average for eligibility is 2.000 and the minimum SAT score is 820. The SAT combined score is based on the Verbal and Math sections only. For more information regarding eligibility, please visit www.ncaa.org. Click on the "Academics and Athletes" link and then "Eligibility and Recruiting" or you may call the NCAA toll-free at 877-262-1492.

Northeastern Technical College

Northeastern Technical College (NETC) is a two-year, post-secondary institution. Our geographic service area includes Chesterfield, Marlboro, and Dillon counties of South Carolina, and we operate community campuses in Pageland, Bennettsville, and Dillon in addition to our main campus in Cheraw. We are accredited by the Commission on Colleges and Schools. Our college is one of 16 member colleges making up South Carolina's award-winning technical college system. As a member, we are committed to supporting the economic development of our state by providing educational and workforce training services to meet community needs. We are also committed to helping all of our students succeed, and look forward to talking with you about possible NETC Pathways to your future.

We are pleased to serve the educational needs of our service area through traditional classes, distance learning options, and continuing education courses. Northeastern Technical College offers associate degree, diploma, and certificate programs in a variety of career pathways. NETC also offers courses which transfer to public and private colleges and universities in our state and the nation. So, no matter what career cluster you are interested in, Northeastern Technical College can help you start down the path to your educational or career goal.

For more information on programs offered by NETC that relate to your career cluster, visit our website, www.netc.edu, click on High School Students, and Chesterfield County School District. The Pathways booklet has a page about each cluster, the majors offered in CCSD, and the programs offered at NETC, along with some career opportunities in that field. You can also find links

to information about four year colleges, careers, educational requirements and wages.

GET A SMART START ON YOUR COLLEGE CAREER

Personal Pathways to Success provides the opportunity for students to follow a personal educational plan seamlessly from high school into college and the workforce, allowing high school students to make substantial progress toward their college education while finishing high school. For high school students Northeastern Technical College offers a smart start to your college career in at least three ways: **Technical Advanced Placement (TAP)**, **Dual Credit**, and **Early Admission or Dual Enrollment**. Further information is provided [below] so you can plan now to take advantage of these options.

Technical Advanced Placement (TAP) – a Northeastern Technical College program that allows qualified high school students to earn NETC credit by demonstrating mastery of college course competencies. High school students who successfully complete specific high school courses in Career and Technology Education (CATE) and who demonstrate mastery of college course competencies will be awarded exemption credit toward their programs when they enroll at NETC.

Northeastern Technical College and Chesterfield County School District have entered into TAP agreements. Articulation is an agreement between institutions, which may allow a student to receive college credit (or waiver of prerequisites) for satisfactorily completing Career and Technology course competencies in high school. The goal is to provide a

smooth path for students to follow without delays, duplication of courses or loss of credit.

If you have satisfactorily completed the competencies (skills), your teacher will submit the TAP Recommendation upon your high school graduation so that you can receive exemption credit. You are responsible for completing the process so that NETC can award the credit.

The process for CCSD graduates to receive NETC TAP credit is as follows:

- Confirm that your teacher or high school staff member has submitted the TAP Recommendation form(s) to the NETC Admissions Office. The Recommendation requires that you have earned 85 or better. A certification or proficiency exam is required for some courses.
- Submit your NETC application for admission and fee, and your high school transcript to NETC Admissions Office.
- Follow NETC Admission requirements, including placement testing, if required.
- Enroll at NETC within 18 months of high school graduation in order to be eligible for TAP credit.

By participating in TAP, you will save time and money because you do not have to re-take the course. You will earn FREE college credit! This articulated credit is assured only at Northeastern Technical College.

For more information on programs offered by NETC that relate to your career cluster, visit our website, www.netc.edu, click on High School Students, and the Pathways icon. The Pathways booklet for Chesterfield County School District has a page about each cluster, the majors offered in

CCSD, and the programs offered at NETC, along with some career opportunities in that field. You can also find links to information about four year colleges, careers, educational requirements and wages.

Dual Credit – a college program that allows high school students to take college courses for which they can simultaneously earn both college and high school credit.

Northeastern Technical College provides courses on site at high schools and also on NETC campuses for selected juniors and seniors. Only the high school administration may determine if high school units are awarded for college courses. Each student must be approved by the high school principal or his/her designee to be eligible to take college courses. Participating students may enroll in NETC courses that apply toward associate or baccalaureate degrees offered by accredited institutions in South Carolina. The high schools set the schedule which best suits the needs of their students. For some schools that is first block; for others early dismissal blocks in the afternoon; or other periods of the day. Students have the same privileges as any regular student on the NETC campus. These courses are rigorous college classes and students are encouraged to consistently give their best efforts.

Some of these courses are designed as "college transfer" to senior colleges and universities; some, which transfer only to other technical colleges, are "career courses".

Career courses: These courses apply to the requirements of specific career programs at NETC, such as business, computer technology, machine tool technology. These courses may also transfer

to other technical/community colleges, depending on the requirements of your major.*

College Transfer courses: These courses apply to the requirements of programs at public senior colleges/universities. South Carolina has a Statewide Transfer Agreement which assures that courses on the agreement will transfer from NETC to SC public colleges and universities. All SC public colleges/universities have information on their websites, usually as "Technical College Transfers."* You can see the course equivalents required by the major you choose. The 86 courses in the Transfer Agreement are in the NETC Catalog which is also posted on the website, www.netc.edu.

** NOTE: It is the student's responsibility to contact and receive written assurance from any private college/university or any public or private college/university outside South Carolina that the college/university will accept your dual enrollment or dual credit courses toward their degree requirements. In some cases, these courses may be accepted as electives. You must ask for this information by contacting the Registrar's Office or checking the website of the senior institution you plan to attend.*

Courses completed as part of the Dual Credit program will appear on the student's college transcript and will be recorded in the high school records too. These courses are considered college work for State scholarships. The student will earn a letter grade in the college course at the end of the NETC term. The NETC final grade will be converted to a numerical equivalent for the Uniform Grading Scale and will be reported to the high school for transcribing at AP weight based on State Depart-

Northeastern Technical College

ment of Education guidelines.

The student is responsible for tuition, fees and cost of college text books for any dual credit or dual enrollment courses taken at NETC unless another agreement is in effect with the school district for a specific course. High school students enrolled in at least 6 credit hours per semester may be eligible for Lottery Tuition Assistance which significantly helps to defray tuition expenses. The NETC Financial Aid Office can provide eligibility information. Students and parents should be aware that college course grades/credits attempted and earned are considered in Life and other scholarship programs.

Students and their parents should be aware of the effects of college course grades and credit hours on rank, scholarships and other financial aid.

Courses approved for Dual Credit for 2013-2014 can be found on Page 6 of this Course Description Guide.

Early Admission or Dual Enrollment – a college program that allows high school juniors and seniors to take college courses before graduating from high school.*

With permission from their high schools, qualified juniors and seniors may enroll in college courses at NETC. Courses completed as part of the Dual Enrollment program will become a part of the students' college transcripts but will not appear on their high school records. Students may select traditional, online, or distance learning classes from the day or evening schedule. Many students select courses from the Statewide Transfer Agreement list. More than 50 university transfer courses are regularly available

at Northeastern Technical College. For more information contact your school Guidance Counselor, call us at 1-800-921-6933, or visit us online at www.netc.edu and click on "High School Students".

NETC Bridge Programs with Four-Year Universities

Students who attend Northeastern Technical College may take advantage of articulation agreements with four-year colleges/universities! In addition to statewide Bridge Programs with the University of South Carolina and Lander University, NETC also has Bridge Programs (articulation agreements) with Francis Marion University, Coker College, Chamberlain College of Nursing, and The Citadel for selected programs, for students from Northeastern Technical College who meet the requirements. NETC also has a new Bridge Program with Morris College for Business, Criminal Justice and Early Childhood Education programs. Any student with an associate degree or two years of college course credit, including alumni of NETC, is eligible to participate in the Coker bridge program. For more information about the available bridge programs when you are ready to apply for admission, contact Northeastern Technical College. Our bridge programs to senior institutions are more great reasons to choose NETC as your pathway to higher education.

For More Information Contact:

Valerie Gargiulo
Dual Enrollment Coordinator /
PBI Project Director
Northeastern Technical College
1201 Chesterfield Hwy.
Cheraw, South Carolina 29520
Office: 843.921.6995
Fax: 843.921.1476

LANGUAGE ARTS

301100XX English 1
Credit: 1
Prerequisite: None

The course provides a foundation in grammar, composition, vocabulary development, and literature. The primary emphasis is on reading and writing skills. The SC End-of-Course test counts 20% of the final grade.

301100XX English 1 Honors
Credit: 1
Prerequisite: Teacher recommendation and MAP, PASS test scores

This level is designed for students planning to complete the honors curriculum with Advanced Placement English their senior year. The course includes grammar review, SAT level vocabulary, and composition at a greater depth and faster pace for students displaying gifted verbal ability. An emphasis is placed on developing the skills associated with literary analysis. Students are expected to complete creative projects and a rigorous reading schedule that helps create the background knowledge necessary for success on the Advanced Placement Exam. The SC End-of-Course test counts 20% of the final grade.

301200XX English 2
Credit: 1
Prerequisite: English 1

This course includes grammar, literature, vocabulary, and composition with special emphasis given to grammar. The student is introduced to the organization of the research paper. Literature by genre is continued with the students

SCIENCE

321100XX Physical Science
Credit: 1
Prerequisite: None

This course introduces students to the basic principles of chemistry and physics. Laboratory investigations are an integral part of the course.

321100XX Physical Science Honors
Credit: 1
Prerequisite: Academic Performance

This course introduces students to the basic principles of chemistry and physics. Laboratory investigations are an integral part of the course. This course is designed to serve as a foundation course for other honors high school courses. Independent research projects are mandatory.

322600XX Biology 1, Part One
Credit: 1
Prerequisite: None

This course provides students with a basic

To meet the requirements for a state high school diploma, students must earn four units in Language Arts. English 1, 2, 3, 4, and AP meet the Language Arts requirements. Dual credit courses do not count towards English graduation requirements. These courses are offered on various instructional levels. All other offerings in the Language Arts department are electives.

mastering the short story, drama, and the poem. Vocabulary is taught with the intent of the students developing skills for the PSAT. This course completes the English skills required to pass the HSAP Exit Exam.

301200XX English 2 Honors
Credit: 1
Prerequisite: English 1 Honors

This course includes grammar, literature, vocabulary, and composition at a much greater depth and quicker pace for the student of gifted verbal ability. This level will place special emphasis on learning situations involving the higher level thinking skills. Summer reading may be required.

301300XX English 3
Credit: 1
Prerequisite: English 2

American literature and English grammar and composition provide an academic foundation for teaching communication skills. This course will sharpen reading, writing, listening, and speaking skills of students.

301300XX English 3 Honors
Credit: 1
Prerequisite: English 2 Honors

This challenging course is designed for students planning to complete the honors curriculum with Advanced Placement English their senior year. There is a heavy emphasis on the analysis of American literature with many opportunities provided for creative projects.

English V will cover the twentieth century in Brit-

To meet the requirements for a state high school diploma, students must earn three units of science.

knowledge of living organisms and the interaction of these organisms with the natural world. It establishes the scientific inquiry skills and core content for all other life science courses. It is designed to address the first half of the Biology 1 South Carolina science standards. Topics include scientific inquiry, cells, and energy. Laboratory work is required.

322700XX Biology 1, Part Two
Credit: 1
Prerequisite: Biology 1, Part One

This course is the continuation of the Biology 1, Part Two course. It continues to establish the scientific inquiry skills and core content for all other life science courses. It is designed to address the second half of the Biology 1 South Carolina science standards. Topics include heredity and genetics, evolution, and ecology. Laboratory work is required. The SC End-of-Course test counts 20% of the final grade.

301400XX English 4
Credit: 1
Prerequisite: English 3

British literature and English grammar and composition provide an academic foundation for teaching communication skills. This course sharpens reading, writing, listening, and speaking skills of students.

301400XX English 4 Honors
Credit: 1
Prerequisite: English 3 Honors

This course is an enriched version of the 12th grade college prep curriculum of British literature, composition, and vocabulary. The literature covers the Anglo-Saxon Period through the nineteenth century.

309900XX English 5 Honors Seminar
Credit: 1
Prerequisite: Academic Performance

This course covers British literature, composition, and vocabulary. The literature covers the Anglo-Saxon Period through the nineteenth century. This course is the prerequisite to the Advanced Placement English 5 course.

307000XX Adv Placement English 5
Credit: 1
Prerequisite: English 5 Honors Seminar and teacher recommendation.

English V will cover the twentieth century in Brit-

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322100XX Biology 1
Credit: 1
Prerequisite: None

This course provides college preparatory students with a basic knowledge of living organisms and the interaction of these organisms with the natural world. It establishes the scientific inquiry skills and core content for all other life science courses. It is designed to address the Biology 1 South Carolina science standards. Topics include scientific inquiry, cells, energy, heredity and genetics, evolution, and ecology. Laboratory work is required. The SC End-of-Course test counts 20% of the final grade.

322100XX Biology 1 Honors
Credit: 1
Prerequisite: None

This course provides above average college bound students with an in-depth knowledge of living organisms and the interaction of these organisms with the natural world. It establishes the scientific inquiry skills and core content for all other life science courses. It is designed to ad-

dress literature plus selections from world literature and extensive vocabulary. Composition focuses on the analytical skills needed for the AP exam. Summer reading is required. Students are also scheduled for 309900XX AP English Seminar (this course offers 1 elective credit). Students are required to take the AP exam.

Students should be mindful that Advanced Placement courses have the rigor of a college course in both pace and content. If you feel you are not prepared for the extra work required for these courses, please consider enrolling in a non-Advanced Placement course.

Language Arts Elective
This courses may be taken in addition to the courses required for graduation. It does not count as one of the four required language arts credits for graduation.

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411200XX Algebra 2
Credit: 1
Prerequisite: Algebra 1 CP or Honors OR Algebra 1, Part 1 and Algebra 1, Part 2 AND Geometry CP or Honors

This course is an extension of Algebra 1 skills, including the study of linear equations, functions, inequalities, laws of exponents, radicals, complex numbers, and quadratic equations.

411200XX Algebra 2 Honors
Credit: 1

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322200XX Biology 2 Honors
Credit: 1
Prerequisites: Biology 1, Chemistry 1

This course is a second year of biology designed for above average college bound students who wish to further their studies in the life sciences. The course is an enriched, in-depth study of various areas of biology, but specifically in human anatomy and physiology, providing a more rigorous and enriched lab-oriented experience including a research component. Topics include biochemistry, genetics, microbiology, histology, forensics, anatomy, and physiology. Laboratory work is required.

322200XX Biology 2
Credit: 1
Prerequisite: Biology 1

This course is a second year of biology designed for college preparatory students who wish to further their studies in the life sciences. The course is an enriched, lab-oriented experience in various areas of biology, but specifically in human anatomy and physiology. Topics include biochemistry, genetics, microbiology, histology, anatomy, and physiology. Laboratory work is required.

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MATHEMATICS

411100XX Algebra 1
Credit: 1
Prerequisite: None

This course is designed for the college preparatory student or others desiring a formal background in mathematics. It is intended for students who have mastered skills dealing with fractions, decimals, and percents. The SC End-of-Course test counts 20% of the final grade.

411100XX Algebra 1 Honors
Credit: 1
Prerequisite: 85 average in 8th grade Math with "met" or above on PASS

This course provides a rigorous approach to concepts and problem-solving processes contained in the basic structure of algebra. It is intended for students with above average mathematical abilities. Non-routine problems requiring insight and ingenuity will be included. Enrollment is determined by 8th grade math performance. The SC End-of-Course test counts 20% of the final grade.

411200XX Algebra 2
Credit: 1
Prerequisite: Algebra 1 CP or Honors OR Algebra 1, Part 1 and Algebra 1, Part 2 AND Geometry CP or Honors

This course is an extension of Algebra 1 skills, including the study of linear equations, functions, inequalities, laws of exponents, radicals, complex numbers, and quadratic equations.

411200XX Algebra 2 Honors
Credit: 1

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322200XX Biology 2 Honors
Credit: 1
Prerequisites: Biology 1, Chemistry 1

This course is a second year of biology designed for above average college bound students who wish to further their studies in the life sciences. The course is an enriched, in-depth study of various areas of biology, but specifically in human anatomy and physiology, providing a more rigorous and enriched lab-oriented experience including a research component. Topics include biochemistry, genetics, microbiology, histology, forensics, anatomy, and physiology. Laboratory work is required.

323100XX Chemistry 1
Credit: 1
Prerequisite: Biology 1, Algebra 1

This course is designed for college preparatory students, and deals with the nature and structure of matter, chemical reactions, balancing equations, mathematics of chemistry, gases, and acid-base relationships. Students will acquire a basic fundamental knowledge of the substances in our world—their composition, properties, and interactions. Emphasis is placed on problem solving. Laboratory activities are coordinated with and enhance the course content.

To meet the requirements for a state high school diploma, students must earn four units of mathematics.

Prerequisite: Algebra 1 Honors, Geometry Honors

This course is a continuation of Algebra 1 and contains more material on solving equations and inequalities, radicals, and polynomials. New topics include conics, exponential and logarithmic functions, matrices, and sequences and series.

412100XX Geometry
Credit: 1
Prerequisite: Algebra 1 OR Algebra 1, Part 1 and Algebra 1, Part 2

This course covers basic terminology, types of reasoning, formal proofs, angles, polygons, parallels and other geometrical concepts and skills.

412100XX Geometry Honors
Credit: 1
Prerequisite: Algebra 1 Honors with 85 or above

This course is a rigorously paced study of plane and solid figures. Practical and theoretical concepts are stressed. Training in thinking by means of deductive proofs and construction of figures is an essential part of this course.

414100XX Probability and Statistics
Credit: 1
Prerequisite: Algebra 1 and Geometry Concepts

This course is designed to prepare the student for any introductory statistics course. This covers inferences, hypothesis testing, distributions,

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323100XX Chemistry 1 Honors
Credit: 1
Prerequisites: Biology 1 Honors, Algebra 1 Honors

This course is designed for above average college bound students with a strong interest in chemistry, and deals with the nature and structure of matter, chemical reactions, balancing equations, mathematics of chemistry, gases, and acid-base relationships. Students will acquire an in-depth knowledge of the substances in our world—their composition, properties, and interactions. Emphasis is placed on problem solving. Laboratory activities are coordinated with and enhance the course content.

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This course is designed for the honors student who will take the AP exam in Calculus AB. It involves the study of limits, differentiation, and integration. Curve sketching and the application of derivatives and integrals are studied. Students are also scheduled for 319900XX AP Calculus Seminar (this course offers 1 elective credit). Students are required to take the AP exam.

Students should be mindful that Advanced Placement courses have the

organizing data, and probability through appropriate project work, individual and group assignments, discussion, and exposition.

413100XX Algebra 3/Trigonometry
Credit: 1
Prerequisite: Algebra 2 with 85 or above

This course is designed to prepare students for college algebra. Topics from Algebra 2 will be further developed, and trigonometric concepts will be presented. This course includes topics such as circular trigonometric functions, additional functions, graphs, conic sections, coordinate systems, complex number systems, exponential and logarithmic functions.

413100XX Pre-calculus Honors
Credit: 1
Prerequisite: Algebra 2 Honors and Geometry Honors with 85 or above

This course is designed for the honors student preparing to study calculus. This course includes the study of quadratic functions, polynomial functions, and trig functions. Other topics include exponents, logarithms, sequence, series, polar coordinates, vectors, determinants, and matrices.

413500XX Calculus
Credit: 1
Prerequisite: Precalculus Honors or Algebra 3/Trigonometry

This course is designed for the college preparatory student. During this course the student will investigate the use of calculus through the study of theories and concepts.

413500XX Calculus Honors Seminar
Credit: 1
Prerequisite: Pre-calculus Honors

This course involves a comprehensive study of differential calculus with some exposure to integral calculus. A thorough understanding of the concepts, formulas, and processes of calculus is essential to the course.

417000XX Advanced Placement Calculus AB
Credit: 1
Prerequisite: Precalculus Honors and Calculus Honors Seminar

This course is designed for the honors student who will take the AP exam in Calculus AB. It involves the study of limits, differentiation, and integration. Curve sketching and the application of derivatives and integrals are studied. Students are also scheduled for 319900XX AP Calculus Seminar (this course offers 1 elective credit). Students are required to take the AP exam.

Students should be mindful that Advanced Placement courses have the

rigor of a college course in both pace and content. If you feel you are not prepared for the extra work required for these courses, please consider enrolling in a non-Advanced Placement course.

Mathematics Elective
This course may be taken in addition to the courses required for graduation. Math Enrichment does not count as one of the four mathematics units required for graduation.

415000XX SAT/ACT Prep Math
Credit: 1
Prerequisite: Alebra 1, Geometry, Algebra 2

SAT/ACT Math Prep is designed for college-bound students who are planning to take the SAT or ACT, or those who have taken the test(s) and wish to improve their math scores. Students also receive instruction on test-taking skills and strategies as well as mathematics content covered on each test. Students will learn how tests are scaled, as well as what constitutes an acceptable score on the tests. Students will take practice tests in order to familizirize themselves with content covered and to assess areas of weakness to improve upon.

2015-2016 Secondary Curriculum Framework

School of Arts & Humanities

Arts, A/V Technology & Communications Cluster

- Journalism & Mass Communication
- Modern & Classical Languages
- English
- Visual Arts
- Performing Arts

Education & Training Cluster

- Early Childhood Development & Services
- Teaching & Training

School of Business Management & Information Systems

Business, Mgmt. & Administration Cluster

- Business Information Management
- General Management

Finance Cluster

- Accounting

Information Technology Cluster

- Web & Digital Communication

Marketing Cluster

- Marketing Management

School of Engineering, Manufacturing & Industrial Technologies

Agriculture, Food & Natural Resources Cluster

- Horticulture

Architecture & Construction Cluster

- Residential & Commercial Construction
- Electricity

Science, Technology, Engineering & Mathematics Cluster

- Science
- Math

School of Health Science & Human Services

Health Science Cluster

- Diagnostic Services
- Therapeutic Services
- Health Informatics
- Biotechnology Research and Development
- Support Services

School of Public Services

Government & Public Administration Cluster

- Social Sciences

Law, Public Safety, Corrections & Security Cluster

- Law and Legal Services
- Military Science

What are career clusters?

Career clusters are groups of related courses that help a student decide if he is interested in pursuing a career or college degree related to those courses after high school.

Why did we change to a career cluster system?

We want to help students see the connection between their coursework and their plans for life after high school. State department guidelines called Pathways to Success mandate that schools do more to help students make those connections.

What is a major?

A major places related areas of study together. Within the major, students choose courses geared toward more specific career areas. Colleges and universities have used this structure for years.

What if I choose a career cluster and then change my mind about what I want to study?

Moving from one cluster to another and from one major to another should not be a problem. As you take courses in your major and cluster, you'll still be taking the courses required for graduation.

How many courses should I take?

We recommend you take four core courses in your major cluster plus a minimum of two supporting courses.

Can I take courses outside my cluster?

You should still have room in your schedule to take courses outside your cluster. In fact, we encourage you to explore other clusters, especially if you have interests in more than one area. The basic purpose of this structure is to help you see and explore career options.

What is an individual graduation plan?

An individual graduation plan is an opportunity for you and your parents/guardians to work with your guidance counselor to discuss a plan for what you'll study in high school. The plan will help you achieve your goals. You will review the plan every year and make changes as your interests and needs change.

SC Public Four-Year Colleges and Universities

The Citadel
Clemson University
Coastal Carolina University
College of Charleston
Francis Marion University
Lander University
South Carolina State University
USC - Aiken
USC - Beaufort
USC - Columbia
USC - Upstate
Winthrop University

*College admissions requirements may differ from institution to institution. Refer to college catalogues for admissions requirements.

SC Technical and Two-Year College Campuses

Aiken Technical College
Central Carolina Technical College
Denmark Technical College
Florence-Darlington Technical College
Greenville Technical College
Horry-Georgetown Technical College
Midlands Technical College
Northeastern Technical College
Orangeburg-Calhoun Technical College
Piedmont Technical College
Spartanburg Methodist College
Spartanburg Technical College
Technical College of the Lowcountry
Tri-County Technical College
Trident Technical College
USC - Lancaster
USC - Salkehatchie
USC - Sumter
USC - Union
Williamsburg Technical College
York Technical College

*College admissions requirements may differ from institution to institution. Refer to college catalogues for admissions requirements.

What do colleges want you to take?

English..... 4 units

You must have at least two courses with strong grammar and composition components, at least one in American Literature, and one in English literature. Completing college prep English 1, 2, 3 & 4 will meet these requirements.

Modern and classical language 2 units

You must have two units of the same modern and classical language. **Some colleges require 3 units.**

Lab science 3 units

You must have at least 2 units from two different fields selected from biology, chemistry, or physics. Your third unit may be from one of these fields or from any lab science, for which biology or chemistry is a prerequisite. Courses in earth science, physical science, or introduc-

tory or environmental science for which biology and/or chemistry is not a prerequisite will not meet requirements.

Math 4 units

Your courses must include Algebra 1 for which Applied Math 1 & 2 together may substitute if you successfully complete Algebra 2. You must also take Algebra 2 and Geometry. A fourth unit is strongly recommended and should be selected from pre-calculus, calculus, statistics, and discrete math.

Social studies..... 3 units

You must have 1 unit of U.S. History, a half unit of economics, a half unit of government and 1 additional unit of social studies.

Foreign Language..... 2 units

You must have 2 units of the same foreign language.

Computer Science 1 unit

You must have at least one unit of computer science which may be programming or a computer applications course.

Fine Arts 1 unit

You must have one unit of fine arts in either appreciation of, history of, or performance in fine arts.

Physical Education/JROTC 1 unit

You must take at least one unit in either physical education or JROTC.

Exceptions for college requirements

A state college may grant an exception for

- A student not meeting the prerequisites if the failure to meet prerequisites is beyond the student's control **or**
- A student who takes Applied Academic courses and meets all other admissions criteria.

SOCIAL STUDIES

333000XX American Government
Credit: .5
Prerequisite: None

This course is a study of the institutions, people, processes, policies, and powers at the national, state, and local levels of government.

??????XX American Government Honors
Credit: 1

335000XX Economics
Credit: .5
Prerequisite: None

This is a study of how goods and services are produced and exchanged to satisfy needs and wants of consumers. It enables students to understand our economic system, its operations, its problems, and its applications to daily life. Economics is linked with American government at the same level.

??????XX Economics Honors
Credit: 1

To meet the requirements for a state high school diploma, students must pass American Government, Economics, U. S. History, and one additional social studies unit.

331000XX World Geography
Credit: 1
Prerequisite: None

This is the study of how people make use of space and interact with the environment and each other. It is designed to give students an introduction to world places, cultures, environments, and how people represent them.

336000XX World History Honors
Credit: 1
Prerequisite: Academic Performance

This is a survey of man's historical development beginning with prehistoric man. The course is designed to give the student an introduction to different cultures, their contributions to civilization, and their relationship to our world today.

334000XX Psychology
Credit: .5
Prerequisite: None

This course provides an overview of individual human behavior and a study of how and why people behave as they do.

334500XX Sociology
Credit: .5
Prerequisite: None

This course deals with the ways groups relate to each other and their environment, including the dissemination of cultures, and how this affects group behavior.

333600XX Law Education
Credit: 1
Prerequisite: None

This course presents law-related education to the student by providing practical information, problem-solving opportunities, and basic understanding of law-related terms.

332000XX U. S. History
Credit: 1
Prerequisite: None

This course is a survey of the historical development of America from reconstruction to the present. A study of the United States Constitution is included. The SC End-of-Course test counts 20% of the final grade.

339901XX U. S. History Honors Seminar
Credit: 1
Prerequisite: Academic Performance

This course is an enriched version of the 11th grade historical development of America from reconstruction to the present including a study of the US Constitution. This course is the prerequisite for AP US History.

FINE ARTS

350100XX Art 1
Credit: 1
Prerequisite: None

This course is designed to introduce the student to the study of art through an examination of the elements and principals of design. Students will be exposed to a wide variety of art experiences to learn technical skills and create a basic understanding and appreciation of art in its historical context.

350200XX Art 2
Credit: 1
Prerequisite: Art 1

This course is designed to expand the student's experience in art. Students will apply skills and concepts in more challenging activities, create more complex works of art and incorporate the study of additional styles, cultures, and media.

350300XX Art 3
Credit: 1
Prerequisite: Art 2

This course helps the serious art student develop skills in many media. Art history and art criticism are integrated into every aspect of the curriculum.

350400XX Art 4
Credit: 1
Prerequisite: Art 3

Art 4 is offered to allow the serious art student the opportunity to explore intensely one preferred medium. Students who enroll are expected to discuss their choice of media with the instructor before registration. This course is ideal for students considering a career in an art-related field.

354100XX Chorus 1
Credit: 1
Prerequisite: None

This beginning chorus class consists of learning the basics in music (signs, notes, and reading music) and a brief survey of music history. The remainder of the course is spent in singing, beginning with unison singing and progressing to part-singing.

354200XX Chorus 2
354300XX Chorus 3
354400XX Chorus 4
Credit: 1
Prerequisite: Course Seq. and/or audition

The essential purpose of these classes is to develop musical knowledge and skills to learn and perform a variety of musical repertoires. Students will be required to participate in all concerts, performances, clinics, and competitions in which the chorus participates. Choreography and staging will also be a part of these courses. Some after-school rehearsals will be required.

454100XX Keyboarding/Piano
Credit: 1
Prerequisite: None

The piano course will provide students with an introduction to the piano. Students will progress through music that challenges their individual skill levels. In addition, coursework will cover the basic principles of music theory, music history, and music appreciation.

356100XX Music Appreciation
Credit: 1
Prerequisite: None

This course is designed to expose students to different types, styles, and genres of music. It will encourage an appreciation and interest in music by listening, discussing, and studying the many melodies, harmonies, rhythms, and textures that exist in all cultures of the world.

353100XX Band 1
353200XX Band 2
353300XX Band 3
353400XX Band 4
Credit: 1

Prerequisite: Course Sequence

These classes develop a student's ability in all aspects of the modern band program. Included are Marching Band, Concert Band, Solo and Ensemble Festival, and optional ensembles such as Jazz Band and Percussion Ensemble. Course requirements include performing at all band functions and attending all out-of-school rehearsals as required by the director. Those who are in Concert Band are required to participate in Marching Band unless participating in a Fall Sport.

PHYSICAL EDUCATION and JROTC

One unit of physical education or JROTC is required for graduation.

344100XX Physical Education 1
Credit: .5
Prerequisite: This course is paired with Drivers Education to complete the unit of credit

This course is a basic course in techniques, terminology, and principles of physical education. It includes both individual and team sports.

344100XX Physical Education 1
Credit: 1
Prerequisite: None

This course is a basic course in techniques, terminology, and principles of physical education. It includes both individual and team sports.

344200XX Physical Education 2
344300XX Physical Education 3
Credit: 1
Prerequisite: Course Sequence

These courses provide further opportunity for students to develop physical fitness and to participate in team and individual sports.

344400XX Physical Education 4
Credit: 1
Prerequisite: Course Sequence

Weightlifting for males.
Weightlifting for females.

375100XX JROTC 1
Credit: 1
Prerequisite: None

The first yearof the program provides cadets with an introduction to both leadership and citizenship. It also gives cadets exposure to personal growth and responsibilit and establishes a foundation of military structure and tradition. The couse contains academics, training in drill, ceremonies, marksmanship, and physical fitness. The course looks to develop informed and responsible citizens, develop leadership, build character, stress discipline, teach respect for authority, and show possible career and educational choices. This course satisfies the pysical education requirement for a South Caolina State Diploma.

375200XX JROTC 2
Credit: 1
Prerequisite: JROTC 1 and the approval of the Senior Marine Instructor

The second year continues the leadership adn citizenship classes of JROTC 1. During this course, the students will receive instruction in general military subjects with more structure and tradition than in JROTC 1, as well the introduction of civilian marksmanship and land navigatin training with a map and compass. This year also provides additional learning experiences in peronal growth and responsibility, as well as citizenship.

375300XX JROTC 3
Credit: 1
Prerequisite: JROTC 2 and the approval of the Senior Marine Instructor

In this class, cadets will begin to appy their leadership training. They assume positions of increased authority and responsibilty within the program. In this year, detailed instruction on personal finances are presented, as well as other preparation of life beyond high school.

375400XX JROTC 4
Credit: 1
Prerequisite: Student must have the permission of the Senior Military Instructor to continue participation in JROTC.

OTHER ELECTIVES

338100XX Teacher Cadet (Dual Credit)
Credit: 1
Prerequisite: See Below

This course is designed to introduce juniors and seniors to the profession of education. It is a survey course that looks at all facets of education K-12. Requirements for admission include a "B" average in a college preparatory curriculum, recommendations from five teachers, and a written essay. Applicants will be screened.

370100XX Driver Education
Credit: .5
Prerequisite: Must be 15 years of age at the onset of the class.

Students will have 30 hours of classroom instruction and six hours of supervised driving instruction. The course includes the proper ways to drive safely in different situations, the basics needed to operate an automobile, and how to purchase, insure, and maintain a vehicle.

MODERN and CLASSICAL LANGUAGES

One unit of a modern or classical language is required for a high school diploma for the college preparatory student. Three units of the same modern or classical language are recommended for college admission.

365100XX Spanish 1
Credit: 1
Prerequisite: None

This is an introduction of Spanish language and culture through reading, writing, listening, and speaking skills.

365200XX Spanish 2
Credit: 1
Prerequisite: Spanish 1, and "B"

This is an expansion of vocabulary, structure, and writing skills learned in Spanish 1 with continued emphasis on oral proficiency along with a deeper understnading of the Litino lifestyle.

365300XX Spanish 3 Honors
Credit: 1
Prerequisite: Spanish 2, and "B"

The course is more detailed review of the grammar structures, vocabulary, and usage of the Spanish language in a near to authentic situational communication events. Bilingual Interpretation and Translation skills are eposed at his lee, which target possible and available choices. Culture and civilization are also important facets of this course.



CAREER AND TECHNOLOGY EDUCATION

Career and Technology Education (CATE) helps prepare youth and adults for the future by building the skills that are essential to strengthening the American workforce and ensuring the nation's economic competitiveness for 21st century jobs. Students add value to their overall education by completing CATE programs of study that provide opportunities to earn industry recognized credentials and college credit while still in high school. In addition, Career and Technology Education will provide students with:

- Academic subject matter taught with relevance to the real world.
- Rigorous and relevant application of technology.
- Employability skills, from job-related skills to work place ethics.
- Opportunities to develop relationships with business and industry.

As a matter of information, Career and Technology Education programs provide the foundation of knowledge and skills that prepare students for all 20 of the fastest growing occupations in all the 14 job sectors as identified by the U. S. Department of Labor's Occupational Outlook Handbook. A strong career and technology education system as evident in Chesterfield County School District has never been more critical to ensure that America keeps its competitive edge in the global economy.

Mission Statement

The Mission Statement for Career and Technology Education is to prepare students for post-secondary study and/or workforce entry in a global environment, promote lifelong learning, and enhance economic development.

CATE Student Organizations

Career and Technology Student Organizations promote skill development and competency mastery by hosting skill and leadership events that underscore what is learned in the classroom. These organizations are supported through dues from the membership and donations from business partners and friends.

Agriculture, Food & Natural Resources The National FFA Organization

"It's definitely not your father's FFA" is a recurring theme for the largest Career and Technology 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. Information on the national FFA and South Carolina FFA can be found at www.scaged.org/SCFFA/home.htm.

Architecture & Construction Skills USA

In South Carolina, Skills USA coordinates state competitions that support the curriculum of Engineering and Industrial Technology. Over 40 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. Learn more about national Skills USA at www.skillsusa.org.

Business, Management & Administration Future Business Leaders of America

"Future Business Leaders of America-Phi Beta Lambda is a national organization of a quarter million students preparing for careers in business and business-related fields. The association has four divisions:

1. Future Business Leaders of America (FBLA) for high school students;
2. FBLA-Middle Level for junior high, middle, and intermediate school students;
3. Phi Beta Lambda (PBL) for post-secondary students; and
4. Professional Division for business people, FBLA-PBL alumni, educators, and parents who support the goals of the association."

Local chapters of FBLA provide leadership opportunities for members by providing hands-on, real-world activities so they can apply what they have learned in the classroom. Some of the activities include: conducting business meetings, community service projects, fund-raising, lead-

ership conferences, and competition in a variety of business-related events. For more information on this student organization, please visit www.fbla-pbl.org

Education & Training Family, Career and Community Leaders of America, Inc.

FCCLA 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. Visit www.fcclainc.org to find out more information about the national organization and FCCLA in South Carolina.

Health Science Health Occupations Students of America

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. Find out more about national HOSA and South Carolina HOSA at www.hosa.org.

CAREER AND TECHNOLOGY EDUCATION - Available Certifications

Architecture & Construction Cluster

National Center for Construction Education and Research (NCCER)

The National Center for Construction Education and Research (NCCER) is a not-for-profit education foundation that was created in 1995 to address the severe workforce shortage facing the industry and to develop a standardized training process and curricula. Among its services, the NCCER develops curricula and conducts programs of education and training for secondary, post secondary, and adult education. In addition, it provides assessments to evaluate the journey-level knowledge and skills of experienced craftspeople as part of the National Craft Assessment and Certification Program (NCACP). NCCER also provides academic assessments and credentialing for high school career and technical education students as part of the standardized industry approved curricula and National Construction Career Tests (NCCT).

<http://www.nccer.org>

NCCER - A/C Refrigerator Technology
NCCER - Carpentry
NCCER - Electricity
NCCER - Mechatronics
NCCER - Masonry
NCCER - Plumbing
NCCER - Welding Technology

OSHA

Under the OSH Act, OSHA's role is to promote safe and healthful working conditions for America's men and women by setting and enforcing standards,

and providing training, outreach and education. The quality education and training programs are designed to prevent work-related injuries, illnesses and deaths by providing the knowledge and tools that workers and employers need to identify and correct workplace safety and health hazards.

<http://www.osha.gov>

Business Management Cluster

Adobe Certified Associate

For those seeking employment that requires demonstrating the ability to use digital media needed to plan, design, build, and maintain effective communications, Adobe Certified Associate is a certification program that validates the skills of job seekers.

<http://www.certiport.com/portal/common/documentlibrary/AdobeDataSheet.pdf>

Microsoft Office Specialist

The Microsoft Office Specialist (MOS) program provides computer program literacy, measures proficiency, and identifies opportunities for skills enhancement. Successful candidates receive the MOS certificate, a credential that is recognized worldwide as proof that an individual has the desktop computing skills he or she needs to be able to work productively and efficiently.

<http://www.microsoft.com/learning/mcp/officespecialist/default.asp>

Health Science Cluster

Certified Nurse Aide

The South Carolina Department of Health and Human Services (SCDHHS) has contracted with Pearson VUE to develop, score, and the report the results of the NNAAP™ (National Nurse Aide Assessment Program) Examination for the South Carolina Nurse Aide Registry. The exam is a measure of nurse aide-related knowledge, skills, and abilities. It is made up of both a written examination and a skills evaluation. All new nurse aide candidates applying to take the NNAAP™ Examination in South Carolina must have successfully completed a state-approved nurse aide training program.

<http://www.Pearsonvue.com>

National Healthcare Foundation

The National Healthcare Foundation Skills Assessment/Certificate Program is an entry-level certification that verifies student mastery of the knowledge and skills that provide the foundation for all health careers (National Healthcare Foundation Standards.) It is recommended that in addition to the online assessment, the student will complete a portfolio. This skill assessment was developed by National Consortium for Health Science Education, the health science career cluster advisory group. Students seeking this certification should have mastered the National Healthcare Foundation Standards delivered through South Carolina secondary schools' health science curriculum.

<http://www.healthscienceconsortium.org>

Agriculture, Food & Natural Resources Cluster

This diverse career cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fiber, wood products, natural resources, horticulture, and other plant and animal products.

It also includes related professional, technical, and educational services.

Employment opportunities will continue to increase for those who provide and market an expanding array of food, forest, and veterinary medical consumer products to a growing world population.

Continued globalization of the food, agricultural, and natural resources system will increase opportunities for graduates who understand the socio-economic factors that define international markets.

Graduates who know how to satisfy the diverse consumer needs and preferences in different cultures and who have the language skills to communicate effectively will have the best opportunities to be employed by the growing number of multi-national businesses.

562400XX Agricultural Science & Technology

Credit: 1
Prerequisite: None

This course is designed to teach 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, safety, and agricultural mechanical technology are included as a part of the instructional program. Each student is expected to design and participate in a supervised agricultural experience. Agricultural Science & Technology is required in all Agricultural Education majors. Ninth graders may enroll in this course.

566000XX Agricultural Mechanics & Technology

Credit: 1
Prerequisite: Ag. Science and Tech.

The Agriculture Mechanics and Technology

course is designed as an introductory course to the Agriculture Mechanics Career Pathway. In addition, it provides development of general mechanical skills which are required in all areas of Agricultural Education.

Typical instructional activities include hands-on experiences in woodworking, metal working, welding, small engine repair, and basic farm and homestead improvements; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

567000XX Landscape Technology

Credit: 1
Prerequisite: Ag. Science and Tech.
The course in Landscape Technology is designed to qualify the student completing the course for job entry into landscaping fields or to continue advanced training in post-high-school education. A combination of subject matter and activities is designed to teach technical knowledge and skills for entry-level positions in selling, selecting, and servicing.

Typical instructional activities include hands-on

First Aid/CPR/AED

The American Heart Association and the American Red Cross offer a variety of training courses for the workplace and healthcare professionals. Courses are designed to teach the skills of CPR for victims of all ages, use of an automated external defibrillator, relief of choking, and first aid skills. Courses are intended for participants who provide healthcare to family, patients, or co-workers in a wide variety of settings and can be tailored to the needs of specific groups and individuals.

American Heart Association:
<http://www.americanheart.org>

American Red Cross:
<http://www.redcross.org>

Central High School CATE Completer Clusters/Majors

Agriculture, Food and Natural Resources Cluster:

Horticulture **CIP Code: 010601**

- Required:
- Agricultural Science and Technology
 - Agricultural Mechanics & Technology
 - Introduction to Horticulture
 - Landscape Technology

- Complementary Coursework:
- Building Construction 1, 2, or 3
 - Electricity 1, 2, or 3

Architecture and Construction Cluster:

Building Construction **CIP Code: 460000**
Certification Available: **NCCER-NCCT**
(National Construction Career Test)

- Required:
- Building Construction 1
 - Building Construction 2
 - Building Construction 3 (2 credits)

- Complementary Coursework:
- Algebra I
 - Electricity 1, 2, or 3

Electricity **CIP Code: 460301**

- Required:
- Electricity 1
 - Electricity 2
 - Electricity 3 (2 credits)

- Complementary Coursework:
- Building Construction 1, 2, or 3
 - Agricultural Mechanics & Technology

Education and Training Cluster:

Early Childhood Education **CIP Code: 131210**
Certification Available: **ServSafe**

- Required:
- Introduction to Early Childhood Education
 - Early Childhood Education I
 - Early Childhood Education II (2 credits)

- Complementary Coursework:
- Integrated Business Apps I
 - Entrepreneurship
 - Introduction to Health Science

Business, Management and Administration Cluster:

Business Information Management **CIP Code: 521206**
Certification Available: **Microsoft Office Specialist**

- Required Courses:
- Image Editing 1 (Yearbook)
 - Digital Desktop Publishing

- Plus two of the following:
- Image Editing 2 (Yearbook)
 - Web Page Design and Development 1 or 2
 - Entrepreneurship
 - Integrated Business Applications 1
 - Integrated Business Applications 2

General Management **CIP Code: 520201**
Certification Available: **Microsoft Office Specialist**

- Required Courses:
- Accounting 1
 - Entrepreneurship

- Plus two of the following:
- Accounting 2
 - Integrated Business Applications 1
 - Integrated Business Applications 2

Health Science Cluster:

Health Science **CIP Code: 510000**
Certification Available: **First Aid, CPR, CNA,**
National Health Science Assessment

- Required:
- Health Science 1
 - Health Science 2
 - Health Science 3
 - Health Science Clinicals (2 units)

Information Technology Cluster:

Web and Digital Communications **CIP Code: 110801**
Certification Available: **Microsoft Office Specialist**

- Required Courses:
- Web Page Design and Development 1
 - Web Page Design and Development 2

- Plus two of the following:
- Computer Programming 1
 - Computer Programming 2
 - Digital Desktop Publishing
 - Entrepreneurship
 - Image Editing 1 or 2 (Yearbook)
 - Integrated Business Applications 1
 - Integrated Business Applications 2

Marketing Cluster

Marketing Management **CIP Code: 521401**
Certification Available: **Microsoft Office Specialist**

- Required Courses:
- Marketing
 - Marketing Management

- Plus two of the following:
- Accounting 1 or 2
 - Entrepreneurship
 - Integrated Business Applications I
 - Integrated Business Applications II
 - Sports and Entertainment Management

Architecture and Construction Cluster

Architecture and construction courses introduce students to the construction industry and related career fields in construction management, architecture, building construction inspection, and planning and design.

Many students move quickly from basic construction training into estimating and project management with high paying jobs.

606000XX Building Const. 1
606100XX Building Const. 2
606200XX Building Const. 3
Credit: 1, 1, 2
Prerequisite: Course Sequence

These courses are designed to prepare students to perform entry-level building construction tasks. Included in the courses of study are instructions related to carpentry (using traditional and non-traditional materials), heating, and air-conditioning system installation, masonry, plumbing, residential electricity, and safety practices. This program of study is designed to prepare students for a wide variety of occupational opportunities. Actual project work in all areas is offered.

This program includes types of construction technology, advanced blueprint reading, and masonry. Safety is stressed at all times. Students work with the computer-assisted design (CAD) program, and architectural design is also a strong component of the program. The program utilizes the NCCER curriculum and promotes the opportunity for the student to earn a nationally recognized certification upon completion of a national exam.

628700XX Electricity 1
628800XX Electricity 2
628900XX Electricity 3
Credit: 1, 1, 2
Prerequisite: Course Sequence

These courses prepare students for entry-level industrial or residential electricity tasks under the supervision of an experienced, certified electrician. Students receive training in industrial electric-power wiring, direct and alternating current motors, controls, and electrical-distribution panels. In addition to the basic principles and elements of industrial electricity systems, the student receives instruction in the use of test equipment, National Electrical Code regulations relating to wiring installations, electrical circuits, and the measurements of voltage, current, and power of single and multiphase alternating circuits. This program utilizes the Wheels of Learning Curriculum and meets state and national skills standards, and it allows students the option to earn a nationally recognized certification.

Business, Management and Administration Cluster

The Business, Management, and Administration Cluster is designed to prepare students for entry-level employment in the areas related to planning, managing, and providing administrative support, information processing, accounting, and human resources management services and related management services.

500100XX Accounting 1
Credit: 1
Prerequisite: Completion of Algebra I or equivalent with a grade of C or better and/or instructor approval.

This course is designed to help the student develop 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. The use of computers in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures.

500500XX Accounting 2
Credit: 1
Prerequisite: Accounting 1

This course expands the student's understanding of accounting subsystems and develops an understanding of various methods in internal control procedures. The student develops competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of-period procedures. Students demonstrate accounting principles through the use of computer software and simulated activities.

517600XX Digital Desktop Publishing (Adobe InDesign)
Credit: 1
Prerequisite: IBA 1

This course brings together graphics and text to create professional level publications. Students create, format, illustrate, design, edit/revise, and print publications. Improved productivity of digitally produced newsletters, flyers, brochures, reports, advertising materials, and other publications is emphasized. Proofreading, document composition, and communication competencies are also included.

540000XX Entrepreneurship
Credit: 1
Prerequisite: Computer Proficiency Req.

This course 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 marketing, staffing, and financial considerations. Leadership skills are recommended, and a nationally recognized certification is available upon successful completion of this course.

534000XX Image Editing 1 (Adobe Photoshop)
Credit: 1
Prerequisite: IBA 1

This course is designed for the student interested in continuing their education. Students are instructed in the fundamental features of using digital imaging software in editing and designing both photos and graphics. Students also

learn the use of technologies related to digital imaging such as: basic computer operations; file sharing across networks; digital scanning; digital photography; preparing documents for output to various types of high resolution printers; and color calibration.

534100XX Image Editing 2 (Adobe Photoshop)
Credit: 1
Prerequisite: Image Editing 1

This course is designed for the student interested in continuing their education in the Interactive Media segment of the Information Technology Cluster. Students are instructed in the fundamental features of using digital imaging software in editing and designing both photos and graphics. Students also learn the use of technologies related to digital imaging such as: basic computer operations; file sharing across networks; digital scanning; digital photography; preparing documents for output to various types of high resolution printers; and color calibration.

502000XX Integrated Business Apps 1
Credit: 1
Prerequisite: None

This course of study is designed to teach the student computer concepts as related to processing data into useful information needed in business situations by using database, spreadsheet, word processing, and presentation software. This course meets the Computer Science requirement for graduation.

Business, Management and Administration Cluster

502100XX Integrated Business Apps 2
Credit: 1
Prerequisite: IBA 1
(This is a MOS certification preparation course.)

This course of study is designed to teach the student advanced computer concepts as related to processing data into useful information needed in business situations by using advanced database, spreadsheet, word processing, and presentation software capabilities. Because the design of this course is to prepare students for Microsoft Office Specialist (MOS) Certification, the emphasis is on speed, accuracy, and production using proper keyboarding techniques.

503100XX Web Page Design and Dev. 1 (Adobe Dreamweaver)
Credit: 1
Prerequisite: IBA 1

This course is designed to provide the student with the knowledge and skills needed to design web pages. Students will develop skills in designing, implementing, and maintaining a website using authoring tools.

503300XX Web Page Design and Dev. 2 (Adobe Dreamweaver)
Credit: 1
Prerequisite: Web Page Design and Dev. 1

This course builds on fundamentals from Web Design and Development 1 is designed to provide the student with the knowledge and skills needed to design interactive, media-rich web pages. Students will develop advanced skills in designing, implementing, and maintaining a website using authoring tools.

Health Science Cluster

Health science educators are keenly aware of the current and projected shortages of health care professionals at all levels across the country.

Consequently, a primary goal is to offer students at the secondary level the opportunity to explore health science professions in a way that makes both a rigorous contribution to their high school education and allows them to learn in detail about the career options open to them in this highly demanded field.

Health Science Technology completers can be certified in the following:

- Community CPR (adult, infant, child)
- First Aid
- Certified Nursing Assistant (CNA)
- National Health Science Assessment

555000XX Health Science 1

Credit: 1
Prerequisites: Grade 10. Biology is recommended. Students should have an interest in learning about all facets of healthcare

Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this first course students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students get a good grasp of where healthcare has been, where it's going and how professionalism and personal characteristics impact their success. Students will be introduced to "Standard Precautions" and learn about confidentiality through HIPPA. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will hear from guest speakers in the healthcare field. Students will learn first-aid procedures and learn fire safety. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses.

555100XX Health Science 2

Credit: 1
Prerequisites: Grade 11. 80% score or higher in Health Science 1, or teacher recommendation.

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about "Transmission Based Precautions" and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn about the stages of life and Maslow's Hierarchy of needs. Students will learn how law and ethics are applied in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology is incorporated throughout the lessons being taught. Students will be certified in First Aid and CPR in this course. Career pathways and scenarios are introduced through each section. Students in this course should further their knowledge of healthcare careers and future goals by participating in a job shadowing experience. This course provides a foundation for further advancement in Health Science.

555200XX Health Science 3 Human Structure and Function

Credit: 1
Prerequisites: Grade 11 or 12
80% score or higher in Health Science 2, or teacher recommendation.
First Aid and CPR certified prior to this course

Health Science 3 acquaints students with basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. This is a very "hands on" course and students will learn through projects and activities in the classroom. Skill procedures and foundation standards are reviewed and integrated throughout the program. Job shadowing is encouraged .

556000XX Health Science Clinical Study

(Nurse Aide Training or other Clinical Experience)
Credit: 2
Prerequisites: Grade 12
Health 1, 2, and 3. Recommended prerequisites or co-requisites for the course are Biology and Chemistry.

Health Science Clinical Study is a course that guides students to make connections from the classroom to the healthcare industry through work –based learning experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. The students will relay these skills into real life experiences. The student, teachers and work-based learning coordinators will work together to create opportunities for the students to get the best experience available in the districts geographic region. Students in this course should be First-Aid and CPR certified before participating in any healthcare experience outside of the classroom.

Nurse-Aide candidates. Under the direction and supervision of a registered nurse, students are prepared to perform nursing-related services to patients and residents in hospitals or long-term care facilities. For Nurse –Aide programs students will review all foundation standards in the clinical study program as well as the addition of the South Carolina Nurse Aide Curriculum. This course meets all DHHS federal and state requirements for a certified nurse aide program in an approved NA training facility (NA program is optional).

End of Program Exam: Students enrolled in this course are considered completers in the Health Science Program and are expected to take the end of program National Health Science Assessment.

Education and Training Cluster

570200XX Introduction to Early Childhood Education

Credit: 1
Prerequisite: None

Introduction to Early Childhood Education is designed to provide an overview of skills required to enter a career working with young children. Students will develop skills in areas including career paths, developmentally appropriate practices, safe and healthy learning environments, collaborative relationships, and professional employment skills. This course is designed as an entry-level course for sophomores planning to pursue the Early Childhood Education curriculum. If space permits, upperclassmen may also wish to consider this as an elective to explore child development and elementary education career options.

570000XX Early Childhood Education 1

Credit: 1
Prerequisite: Course Sequence

Early Childhood Education provides an opportunity for students to actively explore the world of children and acquire knowledge and skills needed to respond to the variety of children's needs. Learning experiences are planned so that students can develop competence to guide, instruct, and care for young children in a safe and healthy environment. Due to the increasing demand for well-trained child care providers in various types

of child-centered facilities, a variety of classroom and laboratory experiences is provided to prepare competent entry-level employees. Students work in a childcare center while enrolled in this class.

570100XX Early Childhood Education 2

Credit: 2
Prerequisite: Course Sequence

Early Childhood Education provides an opportunity for students to actively explore the world of children and acquire knowledge and skills needed to respond to the variety of children's needs. Learning experiences are planned so that students can develop competence to guide, instruct, and care for young children in a safe and healthy environment. Due to the increasing demand for well-trained child care providers in various types of child-centered facilities, a variety of classroom and laboratory experiences is provided to prepare competent entry-level employees. Students work in a childcare center while enrolled in this class.

Marketing Cluster

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.

542100XX Marketing

Credit: 1
Prerequisite: IBA 1

This course introduces marketing concepts and examines the economic, marketing, and business fundamentals. Topics covered include marketing functions, selling, promotion, and distribution of products.

543100XX Marketing Management

Credit: 1
Prerequisite: Marketing

This course continues the analysis of marketing functions by examining human resources, marketing and business fundamentals, distribution, promotion, and selling.

542600XX Sports and Entertainment Management

Credit: 1
Prerequisite: Marketing Management

This course continues the analysis of marketing functions by examining human resources, marketing and business fundamentals, distribution, promotion, and selling.

Chesterfield County School District Information



Mission Statement

The mission of Chesterfield County School District is to prepare all students to be productive citizens in a changing society by continuously improving and implementing educational process with ongoing community support.

Non-Discrimination Policy

Chesterfield County School District is committed to a policy of nondiscrimination on the basis of age, handicap, national origin, race, or sex in its educational programs, activities or employment practices. For further information, please contact Karen Rogers, 504 Coordinator, or Chan Anderson, Title IX Coordinator, at (843) 623-2175.

Accreditation

All high schools in Chesterfield County School District are accredited by the Southern Association of Colleges and Schools (SACS) and by the State Department of Education.

All high schools in Chesterfield County School District are members of the Southern Regional Education Board's High Schools That Work, a school-wide revitalization effort dedicated to providing a quality education for all students.

Opportunities

For more information about opportunities at our district high schools, please visit the district web site at www.chesterfieldschools.org and click on *Our Schools*.

District Office

401 West Boulevard
Chesterfield, SC 29709
Telephone (843) 623-2175
Fax (843) 623-3434
www.chesterfieldschools.org
Superintendent Harrison Goodwin, Ed.D.
Asst. Superintendent Susan Little, Ed.D.

Career and Technology Education

116 Edwards Road
Chesterfield, SC 29709
Telephone (843) 623-5595
Fax (843) 623-2312
Tammy M. Haile, Executive Director IT/CTE

Our Schools

Central High School

200 Zion Church Road
Pageland, SC 29728
Telephone (843) 672-6115
Fax (843) 672-2694
Principal: Juddson Starling, Ed.D.

Cheraw High School

649 Chesterfield Hwy.
Cheraw, SC 29520
Telephone (843) 921-1000
Fax (843) 921-1006
Principal: Jason Bryant

Chesterfield High School

401 North Page Street
Chesterfield, SC 29709
Telephone (843) 623-2161
Fax (843) 623-2050
Principal: Scott Radkin

McBee High School

PO Box 218
264 East Pine Avenue
McBee, SC 29101
Telephone (843) 335-8251
Fax (843) 335-6515
Principal: Dennis McDaniel

Board of Education

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James N. Sweeney

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District 1 - Kimberly T. Burch

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District 4 - Chad L. Vick

District 5 - Jamie D. Wayne

District 6 - James N. Sweeney

District 7 - William Watson

District 8 - Eric Dusa

District 9 - Dr. Wayne Chapman

Central High School Guidance Department



Katie Cooper

Guidance Counselor, GCDF



Kristy Pratt

Guidance Counselor