

CHESTERFIELD HIGH SCHOOL  
**COURSE GUIDE**

2017-2018  
Programs of Study  
for Grades 9-12

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# College and Career Readiness: Changes Ahead

Chesterfield High School  
Chesterfield, South Carolina

HONOR

# WHAT'S INSIDE : SC COLLEGE & CAREER READY STANDARDS

<b>SCCCRS</b> .....	<b>2</b>
<b>General Information</b> .....	<b>3</b>
Curriculum Offerings.....	3
Career and Tech. Education.....	3
Exceptional Education Curriculum.....	3
Guidance Services .....	3
Schedule Changes .....	3
Promotion Standards.....	3
Academic Achievement Honors Award.....	3
Attendance Policy.....	3
Athletic Eligibility Regulations.....	3
Remediation Requirements.....	4
Early Dismissal.....	4
Student Fees.....	4
Exam Exemption Policy.....	4
Participation in Graduation Ceremonies.....	4
Graduation Requirements.....	4
Uniform Grading Scale.....	4
Grade Point Conversion Chart .....	5
"What is an IGP?" .....	5
Advanced Placement.....	5
Dual Credit and Dual Enrollment.....	5
S.C. Virtual School .....	5
Credit Recovery.....	5
Guidance and Career Specialists.....	24
Report from Chesterfield High Principal .....	2
District Information.....	24
<b>Beyond High School</b> .....	<b>6</b>
Educational and Career Assessments (EXPLORE, PLAN, PSAT, WorkKeys, ACT, SAT, ASVAB, COMPASS).....	6-7
Personal Pathways to Success (DISCUS, SCOIS, SCETV's Career Aisle).....	6
LIFE Scholarship Information .....	7
Palmetto Fellows Scholarship Information .....	7
SC HOPE Scholarship Information.....	7-8
Lottery Tuition Assistance Program.....	7-8
NCAA Requirements .....	8
Northeastern Technical College.....	8-9
2016-17 Sec. Curriculum Framework.....	10-11
High School Course Req for Applicants to SC Four-Year Public Colleges and Univ.....	10-11
Four-Year College Preparatory Course Prerequisite Requirements .....	10-11
SC Public Four-Year Colleges and Univ.....	11
SC Tech. and Two-Year Colleges .....	11
<b>Course Descriptions</b> .....	<b>12-14</b>
Language Arts .....	12
Mathematics .....	12-13
Science.....	13
Modern and Classical Languages .....	13
Social Studies.....	13
Fine Arts .....	14
Physical Education/JROTC .....	14
Other Electives .....	14
<b>Career and Technology Education</b> .....	<b>14-19</b>
CATE Certifications .....	15
CATE Student Organizations .....	15
CATE Education Clusters .....	16
Agriculture, Food & Natural Resources Cluster...	17
Architecture and Construction Cluster.....	17
Business, Management and Admin. Cluster...	18
Manufacturing Cluster .....	18
Health Science Cluster .....	19

## SC College & Career Ready Standards Content Brief *English Language Arts and Literacy in History/Social Studies & Science*

### 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

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. America'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 SC College & Career Ready State Standards

The SCCCRS Initiative 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 SCCCRS 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 SCCCRS 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.

#### For More Information Contact:

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<p>Award from the State Department of Education.</p> <ul style="list-style-type: none"> <li>• Thirty-five students were recognized as Career and Technology Completers.</li> <li>• Fourteen students received perfect attendance for year.</li> <li>• Our Academic Bowl Team finished second in the district competition.</li> <li>• The band placed 1st in 1A State Championships out of 42 bands in the state, while also having several students place in the top chairs in District, Region, and USC Honor Band Clinics. Several students were selected for the All-State Band.</li> <li>• Chesterfield Wind Ensemble earned a Superior Rating in Grade IV at SCBDA Concert Festival and earned enough points to receive the SCBDA Outstanding Performance Award.</li> <li>• The Health Occupations classes organized a blood drive for the school.</li> <li>• We were state champions in a Mechanics competition.</li> </ul>	<ul style="list-style-type: none"> <li>• In athletics, two students received scholarships in their respective sports. We had twenty-two All-Region selections and seven All-State selections.</li> <li>• Teachers and students participated in the Relay for Life.</li> </ul>
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We would like to commend everyone for their hard work and dedication to making Chesterfield High an excellent school.

Scott Radkin, Principal

# 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 Technical Education courses related to career goals. Course offerings prepare students for post secondary institutions and the workplace.

### Career and Technical Education

The mission of Career and Technical 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 Technical 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. Technical 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 Technical-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.

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### 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.

School 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, personal & social 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, recommendations for college admissions and scholarships, and maintaining 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:

1. complete a minimum of 24 units as prescribed
2. receive a minimum grade of "B" for each semester course in grades 9-12 through the seventh semester,
3. 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).

### 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:

- a. 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.
  - b. 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.
  - c. Must have overall passing average.
2. Students must satisfy eligibility requirements in the semester preceding participation.
- a. Credits earned in a summer school approved by the State Department of Education may apply for the first semester eligibility. A maximum of two units per year may be used.
  - b. Students eligible for a first

## GENERAL INFORMATION *(continued)*

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.

### Ceremonies

Only those students who pass all of the units required for a diploma will be allowed to participate in the graduation ceremonies held at the end of the school year.

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

<b>Language Arts</b> .....	<b>4 units</b>
<b>Mathematics</b> .....	<b>4 units</b>
<b>Natural Science</b> .....	<b>3 units</b>
<b>U.S. History</b> .....	<b>1 unit</b>
<b>Government</b> .....	<b>5 unit</b>
<b>Economics</b> .....	<b>5 unit</b>
<b>Other Social Studies</b> .....	<b>1 unit</b>
<b>Physical Education</b> .....	<b>1 unit</b>
<b>or J.R.O.T.C.</b>	
<b>Computer Science</b> .....	<b>1 unit</b>
<b>Modern and Classical</b> .....	<b>1 unit</b>
<b>Language* or</b>	
<b>Career &amp; Tech. Elective**</b>	
<b>Other Electives</b> .....	<b>7 units</b>
<b>Total Required</b> .....	<b>24 units</b>

\*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

<b>A</b>	<b>90- 100</b>
<b>B</b>	<b>80- 89</b>
<b>C</b>	<b>70- 79</b>
<b>D</b>	<b>60 - 69</b>
<b>F</b>	<b>below 60</b>

### 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 51.

### 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 51.

### 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	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100
0-50	F	0.000	0.000	0.000
50	WF	0.000	0.000	0.000
50	FA	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 Counselor or visit the following website: [www.collegeboard.com/student/testing/ap/about.html](http://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:

- 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.
- All other coursework not approved by the Principal will be considered dual enrollment and will not transfer to the high school transcript.
- Dual credit courses will be open to all students.
- There will be no dual credit

course restrictions based on the course offerings at the home school.

### 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 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://virtualsc.org>

### Credit Recovery Program

The Credit Recovery Program is designed to address students who fail to receive credit for a high school course due to a failing grade.

In order for a student to qualify for participation in the Credit Recovery Program, the student must have received a grade between 50-59.

Students are given the opportunity to complete additional material in an effort to obtain a passing score for the course.

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

## 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 test to prepare students for the entrance exam is **PSAT**. The college entrance exams are the **ACT** and the **SAT**. Test dates for the **ACT** and **SAT** are set nationwide. Students must complete and mail application forms with a fee prior to the testing dates. 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.

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 400 to 1000. The math portion tests students' ability to solve problems involving advanced math and data analysis.

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 on-line 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. Students can take career interest, skills, and values assessments; watch career-related videos; save information in a portfolio; work on soft skills, etc.

### 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](http://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). Sec-

tions 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.

High school seniors may apply if they meet one of the two following academic requirements:

Score at least 1200 on the SAT (27 on the ACT) by the June national test administration of the senior year, earn a minimum 3.50 cumulative GPA on the SC UGS at the end of the senior year, and rank in the top six percent of the senior class at the end of the senior year;

or

Score at least 1400 on the SAT (32 on the ACT) by the June national test administration and earn a minimum 4.00 cumulative GPA on the SC UGS at the end of the senior 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](http://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](http://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](http://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 (CTE) 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](http://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](http://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 transcripting 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.**

**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](http://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

# 2017-2018 Secondary Curriculum Framework

## 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.

### School of Arts & Humanities

#### Arts, A/V Technology & Communications Cluster

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

#### Education & Training Cluster

- Teaching & Training

### School of Business Management & Information Systems

#### Business, Mgmt. & Administration Cluster

- Operations Management
- Marketing Management

### School of Engineering, Manufacturing & Industrial Technologies

#### Agriculture, Food & Natural Resources Cluster

- Horticulture

#### Manufacturing Cluster

- Mechatronics Integrated Technologies

#### Science, Technology, Engineering & Mathematics Cluster

- Engineering Technology
- 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 & Legal Services

## 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.

### Other courses..... 4 units

You must have 4 college prep units taken from at least three different fields selected from computer science, English, fine arts, modern and classical languages, humanities, lab science, math above the level of Algebra 2 and social sciences. It is suggested that one unit be in computer science, including programming, and one be in fine arts.

**Beginning with the Class of 2011**, colleges will require one unit of fine arts in either appreciation of, history of, or performance in fine arts.

**Also, beginning with the Class of 2011**, colleges will require only one elective unit, with a college prep course in Computer Science strongly recommended for this elective. Other acceptable electives include college preparatory courses in English, fine arts, modern and classical languages, social science, humanities, labora-

tory science (excluding earth science, general physical science, general environmental science, or other introductory science courses for which biology and/or chemistry is not a prerequisite) or math courses above the level of Algebra 2.

### 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.

## LANGUAGE ARTS

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.

### 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.

### 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 mastering the short story, drama, and the poem. Vocabulary is taught with the intent of the students developing skills for the PSAT.

### 301200XX English 2 Honors

Credit: 1  
Prerequisite: Academic Performance

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.

### 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. Preparation begins for the analytical focus of English 5 AP. The literature covers the Anglo-Saxon Period through the nineteenth century.

### 307000XX Adv Placement English 5

Credit: 1  
Prerequisite: Academic Performance

English V will cover the twentieth century in British 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 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

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

### 314100XX Foundations in Algebra

Credit: 1  
Prerequisite: None

Using the areas of algebra and arithmetic, this course emphasizes the ability to understand and apply functional mathematics to solve problems. Students are involved in lab activities and problem-solving exercises that include the use of calculators.

### 314200XX Intermediate Algebra

Credit: 1  
Prerequisite: Foundations in Algebra

This course is designed to study the application of mathematics to solve problems involving both linear and non-linear equations. The collection of data and work with statistics and probabilities will be incorporated. Geometric and trigonometric relationships will be studied through a hands-on approach. Graphing calculators will be utilized to solve problems and graphically present data. The SC End-of-Course test counts 20% of the final grade.

### 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.

### 411200XX Algebra 2

Credit: 1  
Prerequisite: Foundations in Algebra, Intermediate Algebra or Geometry, or Algebra 1  
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  
Prerequisite: Academic Performance

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 Foundations in Algebra and Intermediate Algebra

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: Academic Performance

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.

### 413100XX Algebra 3/Trigonometry

Credit: 1  
Prerequisite: Algebra 2

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

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.

### 417000XX AP Calculus AB

Credit: 1  
Prerequisite: Pre-Cal Honors

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 required to take the AP exam.

*Students should be mindful that AP 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-APcourse.*

## SOCIAL STUDIES

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.

### 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.

### 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.

### 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

Credit: 1  
Prerequisite: None

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.

## 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

This is an expansion of vocabulary, structure, and writing skills learned in Spanish 1 with continued emphasis on oral proficiency.

### 365300XX Spanish 3 Honors

Credit: 1  
Prerequisite: Spanish 2 with 80 or above

The course is a review and expansion of the structure, vocabulary, and usage of Spanish with emphasis on authentic communication in the language. Culture and civilization are also important facets of the course.

### 365400XX Spanish 4 Honors

Credit: 1  
Prerequisite: Spanish 3 Honors with 80 or above

This is an advanced study of Spanish with emphasis on communication in the language. Topics stressed include conversational language, oral comprehension, reading comprehension, and cultural interaction in basic social survival situations.

## PHYSICAL EDUCATION

One unit of physical education is required for graduation.

### 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

Credit: 1  
Prerequisite: Course Sequence

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

## FINE ARTS

### 351100XX Art Appreciation

Credit: 1  
Prerequisite: None

Students may fulfill an elective requirement for graduation by successfully completing this course. This course lays the basic foundation for learning art processes, procedures, theories, history and art judgment. This Visual Art overview allows students to explore a variety of media providing a foundation in the elements and principles in art.

### 350100XX Art 1 (Drawing)

Credit: 1  
Prerequisite: None

Students may fulfill an elective requirement for graduation by successfully completing this course. This is a beginner art class where students explore a variety of media with an emphasis on drawing. The class includes the elements and principles, art history, and critique.

### 351500XX Art 1 (Media Art)

Credit: 1  
Prerequisite: None

Students may fulfill an elective requirement for graduation by successfully completing this course. This is an introduction to computer skills and their applications for drawing, design, and graphics. Students will work both in the computer lab and the art room combining digital work with traditional materials. Students may also be assigned certain tasks for the school yearbook.

### 350200XX Art 2

Credit: 1  
Prerequisite: Art 1

This course is designed to expand the student's prior art experience. Students will apply skills and concepts in more challenging activities, create more complex works of art. The student will study historical periods, as well as critique artwork.

### 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

Credit: 1  
Prerequisite: Course Sequence 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 con-

certs, 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.

### 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.

### 356700XX Instrumental: Guitar

Credit: 1  
Prerequisite:

This course is designed for non-band students who want to learn how to play the instrument on a basic level for fine arts credit. The emphasis would be placed on learning how to read and play music including popular and classical literature from the radio and class text.

### 356600XX Instrumental: Band

Credit: 1  
Prerequisite: This class would be for students who either wanted to learn how to play a wind instrument but never did, played in middle school and quit, or current band students that want to learn how to play a secondary instrument. We would start from the beginning with instrument testing and progress through the first two years of band study or adjust the curriculum based on the overall groups' ability level.)

### 353100XX Band

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.

## CAREER AND TECHNICAL EDUCATION



Career and Technical Education (CTE) 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 CTE programs of study that provide opportunities to earn industry recognized credentials and college credit while still in high school. In addition, Career and Technical 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.

## 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 in-

- Opportunities to develop relationships with business and industry.

As a matter of information, Career and Technical 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 Technical Education is to prepare students for post-secondary study and/or workforce entry in a global environment, promote life-long learning, and enhance economic development.

## CAREER AND TECHNICAL EDUCATION - Available Certifications

### 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

#### 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>

### Pharmacy Technician

Two organizations, the Pharmacy Technician Certification Board (PTCB) and the Institute for the Certification of Pharmacy Technicians (Ex-CPT exam), administer national certification examinations. Certification is voluntary in most states, but is required by some states and employers. Some technicians are hired without formal training, but under the condition that they obtain certification within a specified period of time. To be eligible for either exam, candidates must have a high school diploma or GED, no felony convictions of any kind within 5 years of applying, and no drug or pharmacy related felony convictions at any point. Employers, often pharmacists, know that individuals who pass the exam have a standardized body of knowledge and skills.

<http://www.ptcb.org>  
<http://www.nationaltechexam.org/>

#### 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>

## CTE Student Organizations

Career and Technical 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](http://www.scaged.org/SCFFA/home.htm).

### 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](http://www.hosa.org).

### Manufacturing 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](http://www.skillsusa.org).

## Chesterfield High School Completer CTE Programs and Courses

Career and Technical Education (CTE) helps prepare students 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 CTE programs of study. Career and Technical 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 workplace ethics.
- Opportunities to develop relationships with business and industry.

The following are listings of the courses at Chesterfield High School that create programs within the sixteen federal career clusters. A state-recognized CTE program is comprised of an approved sequence of career and technology education courses leading to a career goal and must include a minimum of 4 Carnegie units of credit. To be a CTE Completer, a student must earn 4 Carnegie units of credit in a CTE program.

### Agriculture, Food and Natural Resources Program:

#### Horticulture

- Required:
- Agricultural Science and Technology
  - Introduction to Horticulture
  - Landscape Technology
  - Turf and Lawn Management

### Business, Management and Administration Program:

#### Operations Management

- Required Courses:
- Virtual Enterprise 1
  - Virtual Enterprise 2

- Plus two of the following:
- Integrated Business Applications 1
  - Integrated Business Applications 2
  - Accounting 1
  - Accounting 2
  - Business Law
  - Social Media in Business
  - Marketing

#### Marketing Management

- Required Courses:
- Marketing
  - Marketing Management

- Plus two of the following:
- Accounting 1
  - Accounting 2
  - Virtual Enterprise 1
  - Virtual Enterprise 2
  - Virtual Enterprise 3
  - Business Law

### Health Science Program:

#### Health Science

- Required:
- Health Science 1
  - Health Science 2
  - Health Science 3
  - Health Science Clinical Studies (2 units)

### Emergency Service Program:

#### Law Enforcement

- Required Courses:
- Intro to Protective Services
  - Law 1
  - Law 2 (2 credits)

### Manufacturing Program:

#### Mechatronics Integrated Technologies

- Required Courses:
- Mechatronics Integrated Technologies 1
  - Mechatronics Integrated Technologies 2
  - Mechatronics Integrated Technologies 3 (2 credits)

## 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.

#### 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 experiences with the planning and selection of materials for the construction of hardscapes, the mechanical practices associated with irrigation and water conservation, erosion control, participating in personal and community leadership development activities, planning and implementing a relevant supervised agricultural experience, and participating in FFA activities. Additional consideration of skills from the Certi-

fied Landscape Technician program are recommended.

#### 565000XX Introduction to Horticulture

Credit: 1  
Prerequisite: Ag. Science and Tech.

The introduction to horticulture course is designed to be an introduction to the Horticulture pathway. It is recommended as a prerequisite for all other horticulture courses. This course includes organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises.

#### 565400XX Turf and Lawn Mgt.

Credit: 1  
Prerequisite: Ag. Science and Tech.

This course is designed to teach technical knowledge and skills for entry-level positions in the turfgrass industry. The principles and practices involved in establishing, managing, and maintaining grassed areas for ornamental and/or recreational purposes are studied.

Typical instructional activities include hands-on experiences with analyzing problems and developing site plans for golf courses and commercial, church, and home lawns; establishing, fertilizing, irrigating, and pest management control of grassed areas; operating and maintaining machinery and equipment; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities. The instructor will select units of instruction based on a local needs assessment.

## Law Enforcement

**The Law Enforcement Services program prepares students for entry-level positions in local, state, and federal law enforcement agencies and private security. Students that are interested in careers in law enforcement, forensics, homeland security, law, investigations, corrections and dispatching will benefit from this program of study. The Law, Public Safety, Correction and Security course have all this and more! According to the U.S. Department of Labor, the forecast for the homeland security industry has grown from \$40 billion in 2004 to \$180 billion in 2015. Since many of the personnel for homeland security positions are recruited from existing cluster occupations, the result will be an increasing growth in jobs - with new certifications and skills being discovered every day to better prepare students for these jobs.**

#### 00000000XX Intro to Protective Services

- Credit: 1  
This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area of Law Enforcement Services and Fire Fighter and the community to help deliver instruction to the students. English language arts are reinforced, and Work-based learning strategies appropriate for this course include job shadowing. Apprenticeship and cooperative education are not available for this course. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

#### 651000XX Law Enforcement 1

Credit: 1  
Prerequisite: Intro to Protective Services

This course prepares students for entry-level positions in local, state, and federal law enforcement agencies and private security. Students that are interested in careers in law enforcement, forensics, homeland security, law, investigations, corrections and dispatching will benefit from this program of study

#### 651100XX Law Enforcement 2

Credit: 2  
Prerequisite: Law Enforcement 1

This course prepares students for entry-level positions in local, state, and federal law enforcement agencies and private security.

## 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.**

### 502000XX Integrated Business Apps 1

Credit: 1  
Prerequisite: Successful Mastery of Keyboarding Competencies

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, spread-

sheet, word processing, and presentation software. Because the design of this course is to prepare students for Microsoft Office User Specialist (MOS) Certification, the emphasis is on speed, accuracy, and production using proper keyboarding techniques.

### 515000XX Virtual Enterprise 1

### 515100XX Virtual Enterprise 2

### 515200XX Virtual Enterprise 3

Credit: 1

Prerequisite: Computer Proficiency Requirement and must be able to use integrated applications software, such as Microsoft Office Suite.

Virtual Enterprise is part of a national curriculum called Virtual Enterprises International and the South Carolina Virtual Enterprises Network that allows students to experience within a simulated business environment all facets of being an employee in a firm. The program allows students to run simulated offices in their schools and engage in virtual trading with other practice firms. Currently, more than 3,600 virtual enterprises in over thirty-six countries are part of the International Practice Enterprise Network. The program provides students with interdisciplinary instruction and an in-school work experience to develop school-to-career skills.

### 500100XX Accounting 1

Credit: 1  
Prerequisite: Grades 10-12 unless Instructor approved.

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.

### 504400XX Marketing

Credit: 1  
Prerequisite: None  
This course develops an understanding of legal rights and responsibilities in personal and business law with applications applied to everyday roles as consumers, citizens, and workers. The student will have an understanding of the American legal system, courts/court procedures, criminal justice systems, torts, the civil justice system, oral and written contracts, sales contracts and warranties, consumer protection, social responsibility, and ethics.

### 543100XX Marketing Management

Credit: 1  
Prerequisite: Marketing  
This course is a study of the marketing system from the decision-maker's view, including how marketing strategies are planned and utilized in the marketplace.

### 504400XX Business Law

Credit: 1  
Prerequisite:  
This course develops an understanding of legal rights and responsibilities in personal and business law with applications applied to everyday roles as consumers, citizens, and workers. The student will have an understanding of the American legal system, courts/court procedures, criminal justice systems, torts, the civil justice system, oral and written contracts, sales contracts and warranties, consumer protection, social responsibility, and ethics.

### 542600XX Sports and Entertainment Management

Credit: 1  
Prerequisite: Marketing  
Students will apply concepts learned in Sports and Entertainment Marketing and study the key concepts in management and managerial principles as related to the sports and entertainment industry. Topics that will be addressed include leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, change management, and career development.

### 503400XX Social Media in Business

Credit: 1  
Prerequisite: Grades 11-12 unless Instructor approved

This course introduces students to the current field of social media and prepares them to explore and create successful social media strategies for businesses. It gives students the knowledge, tools, and methods to use different social media tools and networks in a business environment.

## Manufacturing Cluster

**Courses in this cluster involve planning, managing, and performing the processing of materials into intermediate or final products. Also included are related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.**

### 621000XX Mechatronics Integrated Technologies 1 (MIT)

Credit: 1  
Prerequisite: None

This course introduces students to the wide range of careers available in the manufacturing industry and the communication of personal management skills required for success in the global workforce. Through a series of individual tasks, team activities, and in-basket exercises, students learn the importance of time management, goal-setting, and personal responsibility.

### 621100XX Mechatronics Integrated Technologies 2 (MIT)

Credit: 1  
Prerequisite: MIT 1

This course is a continuation of MIT 1. MIT 2 consists of the systems modules, design projects, student research, and industry partnership.

Students can also earn up to 6 credit hours at Northeastern Technical College toward a Manufacturing Systems Technology Certificate.

### 621200XX Mechatronics Integrated Technologies 3 (MIT)

Credits: 2  
Prerequisite: MIT 2

This course provides the opportunity to receive hands-on experience utilizing up-to-date industrial equipment. A broad based curriculum aids the students in gaining "real world" skills relevant to local and global industry standards. The skills developed in these courses are key to industrial skills standards as well as competencies related to courses in college. Students will explore and learn about the use of several power sources used in manufacturing and business operations. Instruction focuses on the dynamics of hydraulics (fluids), pneumatics (air), and electric (machine control and power). Students also learn microprocessor programming of robotics, programmable logic control (P.L.C.), diagnostic troubleshooting, problem solving, repair and replacement of mechanical assemblies, and machine tool operations. Internships and industry standards certification are available.

Students can also earn up to 6 credit hours at Northeastern Technical College toward a Manufacturing Systems Technology Certificate.

## 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)**
- **Automated External Defibrillator (AED)**
- **CERT**
- **Pharmacy Technician**
- **First Aid**
- **Dementia Specialists**
- **Certified Nursing Assistant (CNA)**
- **Hospice Volunteer**
- **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 func-

tion 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.

### 557000XX Pharmacy Technology

Credit: 1  
Prerequisite: Must be a Senior & Additional Cost of \$250.00 for 2016-17

This course is designed to train students to pass the Pharmacy Technician Certifying Board examination. A practicing pharmacist has developed the curriculum. The program includes 90 classroom hours plus 60 homework hours for a total of 150 hours. Teachers may arrange student work-based learning opportunities in pharmacies for practical experience. The American Council of Pharmaceutical Education accredits the program. This course may be independent study or a component of Health Science 2.

## 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 Dr. 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](http://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](http://www.chesterfieldschools.org)  
Superintendent Harrison Goodwin, Ed.D.

### Career and Technical Education

116 Edwards Road  
Chesterfield, SC 29709  
Telephone (843) 623-5595  
Fax (843) 623-2312  
Tammy M. Haile, Ed.D, 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: Damon Barnhill

#### Cheraw High School

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

#### 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

### Chairman

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Eric Dusa

District 1 - Kimberly T. Burch

District 2 - Darin M. Coleman

District 3 - Wesley R. Miles

District 4 - Chad L. Vick

District 5 - Jamie D. Wayne

District 6 - James N. Sweeney

District 7 - Robert Teal

District 8 - Eric Dusa

District 9 - Dr. Wayne Chapman

## Chesterfield High School Guidance Department



**Heather Hilderbrand**  
School Counselor



**Barbara Forman**  
Career Specialist