



PROGRAM OF STUDIES



2017-2018

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District Information

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School District of Newberry County Mission

To engage students at all levels in educational experiences that ensure success and life-long learning.
“One District - One Team - One Mission”

School District of Newberry County Vision

Our vision is of a culture where

- all ideas are valued;
- a cooperative relationship exists between the school district and the community;
- collaboration is expected;
- people want to work and students want to learn.

Nondiscrimination Policies

The School District of Newberry County offers equal opportunities for admission to students and employment for personnel. The programs and activities of the district are offered equally to all students without regard to race, color, national origin, religion, age, disability or sex. Inquiries should be directed to Pam Arrington at PO Box 718, Newberry, SC 29108 or 803-321-2600.

~ Special thanks to Savannah Harmon for designing the front cover. Savannah is a student at Mid-Carolina High School.

General Information

Important Notes

1. The information provided in this program reflects information available at the time of printing. Please understand there may be revisions due to decisions made by the SC Department of Education and/or the legislature.
2. All students are expected to take a full course load each year to include English and mathematics. Grades nine through 11 require eight courses, and grade 12 no less than six courses. See school principal for permission to take less than a full course load in grade 12.
3. All students must earn one unit of Physical Education 1 or JROTC.
4. If a student enrolls after the beginning of a course, attendance counts from the first day of the course, not from the day of enrollment. Students transferring from another school or from another level of the same course receive credit for days attended in the previous class.
5. Students transferring from other schools receive credit for previously acquired coursework whenever comparable.
6. Students are reminded that once the master schedule is created, a change in level may be impossible due to a lack of space in the course(s) to which they wish to move or limitations in rearranging other courses in the student's schedule. In such cases, the student is required to remain in the course originally chosen.
7. State law requires a health program that will include at least 750 minutes of instruction in reproductive health education, pregnancy prevention education and instruction that adoption is a positive alternative.
8. In order to participate in the graduation ceremony, students must have completed all course requirements for a diploma, state certificate, or district employment diploma.
9. By state law, any letter grade earned (including dual credit courses) will be converted to a number grade on the following scale: A=95, B=85, C=75, D=65, F/FA/WF=51.

Schedule Changes

Students are encouraged to choose courses carefully during the pre-registration period. Once the master schedule is defined, space may not allow general schedule changes to be made.

Without principal approval, no changes will be made after the start of the school year. Changes are automatically made if final grades, summer school completion or other factors necessitate the change. Students who withdraw from a course after the specified time of five days in a 90-day course or 10 days in a 180-day course will be assigned a WF and the F (as a 50) will be calculated in the student's overall grade point average. (Board Policy IKA-R)

NOTE: Due to scheduling conflicts, there is no guarantee that all courses requested can be scheduled. Selection of alternate courses is an important part of the course registration process. First choices are not always available.

Attendance

Student attendance laws require the following days present to receive credit provided the student receives a passing grade in the course:

- In a 90-day course, a student must attend 85 days.
- In a 180-day course, a student must attend 170 days.

Students who exceed the approved limits for unexcused absences do not receive credit in the course.

Retaking a Course

According to the SC Uniform Grading Policy, students are allowed to retake the same course at the same difficulty level under the following conditions:

- Only courses in which a grade of D or F is earned may be retaken.
- The course in which a D or F is earned may only be retaken during the current academic year or no later than the next academic school year.
- The student's record will reflect all courses taken and the grades earned. Students who repeat a course in which a D was earned will only receive one credit for the repeated course along with the grade earned when it was repeated.
- Students taking courses for a Carnegie unit prior to their 9th grade year may retake any such course during their 9th grade year regardless of the grade earned. In this case, only the 9th grade retake grade is used in figuring the student's Grade Point Ratio (GPR) and only the 9th grade attempt is shown on the transcript. This rule applies whether the grade earned is higher or lower than the pre-ninth grade attempt.

Exams

Students in grades nine through 12 are given cumulative examinations at the end of the second and fourth nine weeks period. When applicable, state-wide end-of-course (EOC) exams are given in place of regular exams. All EOC exams are weighted 20% of the final grade.

For students in grades nine through 12, exams will count 10% of the semester grade.

Any student in grades in which semester exams are given may exempt the final (second semester) exam if the student has a cumulative A average at the time of the exam, with the exception of state end-of-course exams. Seniors may exempt the final (second semester) exam in each year-long course in which they maintain a B average at the time of the exam.

Promotion and Retention

To be promoted to grade 10, students must have earned a minimum of six units including one unit in English and one unit in math. Students must be enrolled in a science and social studies course.

To be promoted to grade 11, students must have earned a minimum of twelve units including at least two units in English, two units in math, one unit in science, and one unit in social studies.

To be promoted to grade 12, students must have earned a minimum of 18 units. Students must have earned at least three units each in English and mathematics, two units in science, and one unit in social studies. (Seniors must be able to graduate with the number of units taken in the senior year.)

Honor Societies

All high schools sponsor a chapter of the National Honor Society or Beta Club. Students are eligible for membership in grades 9 through 12. Students are eligible for membership in Junior Beta Club during ninth grade.

Newberry County Career Center sponsors a chapter of the National Technical Honor Society, which is similar to the National Honor Society and Beta Club at the high schools. It recognizes students with outstanding academics and leadership qualities. Criteria for eligibility can be found at the school level.

Graduation Requirements

To be eligible to receive a South Carolina High School Diploma, students must earn 24 units. The requirements to receive a South Carolina High School Diploma (graduation requirements) for students in grades nine through 12 are prescribed as follows:

English.....	4 Units
Mathematics	4 Units
Science.....	3 Units
US History and Constitution.....	1 Unit
Economics	½ Unit
US Government.....	½ Unit
Other social studies.....	1 Unit
Computer science	1 Unit
Physical Education I or JROTC.....	1 Unit
Modern language or career and technology elective*.....	1 Unit
Electives	7 Units
Total Required.....	24 Units

*All students must earn one unit of modern language or one unit at the Newberry County Career Center (in addition to the computer science unit).

Computer science in the School District of Newberry County includes the following courses:

- Web Page Design and Development 1, 2
- Introduction to Engineering Design
- Principles of Engineering
- Digital Electronics
- Civil Engineering and Architecture
- Integrated Business Applications 1, 2
- Digital Desktop Publishing
- Computer Assisted Drafting and Design

- Image Editing 1, 2
- Digital Multimedia
- Foundations of Animation
- Game Design and Development

Newberry County Advanced Diploma

The Newberry County Advanced Diploma is awarded to senior who have earned a minimum of 28 units to include four units in mathematics, four units in science, and either three units in the same foreign language or four units in an occupational completer program. Beginning with the graduating class of 2019, the Newberry County Advanced Diploma will be awarded to seniors who have earned a minimum of 30 units to include four units in science, and either three units in the same foreign language or four units in an occupational completer program.

Newberry County Honor Graduate

The Newberry County Honor Graduate recognition is designed to honor seniors who have earned at least 26 units; maintained a 90 average for 3.5 years; earned a score of at least 1180 on the SAT or 26 on the ACT; and completed the full college preparatory program. Beginning with the graduating class of 2019, the Newberry County Honor Graduate will have earned at least 30 units; maintained a 90 average for four years; earned a score of at least 1180 on the SAT or at least 26 on the ACT; and completed the full college preparatory program.

South Carolina Academic Achievement Honors Award

The student shall have completed 24 units including the 15 units approved by the State Board of Education for college preparatory programs, and five additional units in one or more of the following areas: English, science, social studies and math.

The student shall have received a minimum of a B average in all courses each semester in grades nine through 12 through the seventh semester.

Students shall achieve either a score of 650 on the SAT critical reading or a score of 700 on the SAT math or an ACT score of 30 on English or 33 on Math – OR – shall have a combined score of 1400 on the SAT or an ACT composite score of 31 and have completed 20 units of high school credit and be eligible for graduation with a state high school diploma.

Grade Point Average

South Carolina uses a Uniform Grading Scale (page 7) to calculate Grade Point Average (GPA) and class rank for high school students. The South Carolina Uniform Grading Scale assigns grade points for each numerical grade. By state mandate, all courses carry the same grade points with the exception of honors, dual credit and Advanced Placement courses. Honors courses receive an additional 0.5 weighting and AP and dual credit courses receive an additional 1.0 weighting.

Class Rank

All courses taken for high school graduation credit are included in the calculation of class rank. The instructional level of each course, the student's grade in each course, and the total number of courses attempted are included in the computation of class rank. Under the Uniform Grading Policy passed by the South Carolina State Board of Education in December 1999 and revised in 2006, all course grades are based on a state-defined grading scale with corresponding grade point values for each numerical grade. In addition, the policy specifies that only courses taught at the honors level, Advanced Placement (AP) level, International Baccalaureate (IB) level, and/or dual credit in college courses may be awarded additional weighting values (.5 quality point for honors and 1.0 quality point for AP, IB, and dual credit) to be used in computing grade point averages and class rank. Grade Point Average (GPA) is calculated using the following formula:

$$\text{GPA} = \frac{\text{Sum of quality points from each grade earned}}{\text{Sum of units attempted}}$$

Once a GPA has been computed for all students, all grade point averages are rank ordered numerically from highest to lowest and each student's class rank is determined by the position of his/her GPA relative to all other students in a given grade. In instances of equal GPAs for more than one student, the same class rank is given and the following value in sequence will be omitted. Class ranks are calculated after all yearly grades are submitted.

Class rank is one consideration in the college admissions process. It is also used as a criterion for some scholarships. Any questions or concerns students have about class rank should be discussed with a counselor. Students are reminded that one's position in the class rank system is relative to the weighted rank of all other students in a particular grade. Therefore, as the numbers and performance of other students in a particular grade group changes, a student's class rank may vary as well even though his/ her own academic performance may remain constant.

Honors Courses

Honors-level courses are designed for students of superior ability and achievement who plan to enroll in a college or university upon high school graduation. These accelerated courses are provided for students who meet the prerequisite course criteria.

It is the expectation of the district that all middle school students enrolled in high school credit-bearing courses continue their accelerated instruction by taking honors and advanced placement courses through the twelfth grade. (To continue in honors courses, students must maintain an 85 average.)

Advanced Placement Courses

Advanced Placement (AP) courses are available in the district based on sufficient enrollment in English, mathematics, social studies, science, and the fine arts. Most of these courses are offered during the junior and senior years. Students must meet established criteria before they can enroll in each of the courses. The specific criteria are explained in the course descriptions.

These courses offer college-level instruction in high school, preparing the student for the rigors of college. Students enrolled in a state funded advanced placement course must take the AP Exam to receive AP weighted credit. Successful scores on the AP Exam may qualify students for college credit and advanced standing in colleges and universities throughout the United States. Because AP courses are college-level courses, students should expect intensified study and great demands placed on their time and energy.

Dual Enrollment

This program is designed for highly motivated juniors and seniors who choose to earn college credit while still enrolled in high school. Students earning dual credit receive three hours of college credit and one Carnegie unit of credit simultaneously, which requires approval in advance by the high school principal. It is possible with careful planning for high school students to work towards an Associate's degree while in high school. Please meet with your guidance counselor to discuss that possibility. All dual credit earned beyond what is offered through on-site courses at the high schools or Piedmont Technical College's On DECK Program must be pre-approved by the principal (only courses on the CHE's List of 86 will be considered). For more in-depth information about dual enrollment, please refer to the Piedmont Technical College section in Appendix A.

Special Services

The School District of Newberry County provides programs and assistance for students with disabilities. Students qualify for these programs and assistance by meeting state and federal guidelines according to the Individuals with Disabilities Education Act (IDEA). Individual Education Programs (IEPs) assist these students to achieve at their highest potentials. The program focuses on student preparation for successful transition from high school to post-school choices.

These special needs students receive assistance through support services or special education classes. Students who have special needs may earn the following:

- **State Diploma**

The student must earn 24 units according to state guidelines. Acquiring a state diploma will qualify the

student to enter the following: the work force, the military, two-year technical degree program, and/or four-year college degree program.

- **District Certificate**

The student must complete the goals and objectives on the IEP to earn the units required for the district certificate. Acquiring a district certificate will enable the student to enter the following: the work force, adult education, a sheltered workshop, a group home, assisted living and/or independent living.

Courses offered to students working toward the District Employment Diploma or the District Certificate include the following:

English/Language Arts	(4 units)
Mathematics	(4 units)
Social Studies	(4 units)
Science/health	(4 units)
Electives*	(8 units)

* Electives include career classes, career and technology education classes, home arts, independent living classes, etc.

Grade Point Conversion Chart
South Carolina Uniform Grading Scale

Numerical Average	Letter Grade	College Prep Weighting	Honors Weighting	AP/IB/Dual Credit Weighting
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
WF	F	0.000	0.000	0.000
WP	-	0.000	0.000	0.000

Beyond High School

Educational and Career Planning

Students are encouraged to plan their course of study based on their career interests and educational goals. The school district assists students in this process in a variety of ways. Students are encouraged to take advantage of these opportunities.

Educational and Career Assessments

The school district provides a variety of assessments to assist students in their educational and career decisions. This information is helpful to students as they develop and revise their Individual Graduation Plans (IGP).

Career/Educational Resources

Students are encouraged to become familiar with printed resources available in the guidance office or media center. Up-to-date information about a variety of careers, post-secondary institutions and training programs is available there. Students may also access college applications and scholarship information/applications through the guidance office.

The Internet is an excellent resource for students as they prepare for their future. Information about helpful Web sites is available through the school guidance office.

Educational/Career Assessments

SCOIS

The South Carolina Occupational Information System (SCOIS) is a computer-based system of up-to-date career, educational and occupational information. Students may complete interest inventories and explore more than 1700 occupations. The college search feature includes all two- and four-year colleges and universities in the United States. Other features include a course planner and a scholarship search.

PLAN

The PLAN Assessment is very similar to the EXPLORE assessment. It measures student achievement in the same four academic areas: reading, mathematics, English and science reasoning. PLAN also includes a career interest inventory. In addition, the information is also very helpful to students as they make post-secondary plans. If applicable, students are encouraged to refer to their PLAN results as they further develop and refine their IGP.

PSAT

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT, NMSQT) introduces students to the organization and question types found on the Scholastic Aptitude Test (SAT). Students gain test-taking skills and can use their PSAT results to predict their scores on the SAT. The junior year scores are also used in selecting semifinalists for the National Merit Scholarship awards. Several colleges use PSAT for determining early admissions

and programs, such as the Governor's School, use them in their selection process.

All college-bound students are encouraged to pay the registration fee and take the PSAT during their junior year. Besides providing practice for the SAT, junior year PSAT scores are used for National Merit qualification and by other groups as criteria for scholarships.

Note: The School District of Newberry County administers the either the PLAN or PSAT assessment to all tenth graders because the information is very beneficial to students as they revise and refine the IGP for the last two years of high school.

ASVAB

The Armed Services Vocational Assessment Battery (ASVAB) is a multi-aptitude test battery known as the Career Exploration Program administered by the Department of Defense. The ASVAB is comprised of ten individual tests and gives composite scores in verbal, math and academic ability. The test is given by the military and is free to high school students. The ASVAB Career Exploration Program is a tool to help students make better school and career decisions. There is a workbook that contains a career interest inventory and an exercise to help students learn more about occupations and how to match their interests and abilities to certain occupations. The ASVAB is available through the high school and local military recruiters. Although students who plan to enter the military are required to take the ASVAB, information gained on this career assessment is beneficial to any student.

WORKKEYS

The WorkKeys assessment from ACT is designed to help assess workplace skills. Better skills mean better-paying jobs in any career field. The test measures students' skills in applied mathematics, locating information, and reading for information. WorkKeys stresses skills development important for every type of employment. All students in the eleventh grade are required to participate in this assessment.

Planning for the Future

Destination: Workforce

The school district encourages students who plan to enter the workforce immediately after high school to take advantage of occupational programs available at the high school or at the Newberry County Career Center and to participate in as many school-to-career opportunities as possible. Proper planning assists students immediately entering the workforce with the development of marketable job skills.

Destination: Technical College

According to the Governor's Workforce Task Force Report *Pathways to Prosperity* of 2001, 65 percent of the jobs of the future will require a two-year college degree while 20 percent will require a four-year degree and 15 percent will require minimal job skills. Students in South Carolina are fortunate to have access to a strong technical college system and especially to have Piedmont Technical College nearby. Students who plan to attend a two-year technical college are encouraged to participate in a career and technology program related to their career plans. Students enrolled in career and technology programs in high school have the opportunity to earn college credits through the Technical Advanced Placement (TAP) program at technical colleges.

Students who plan to attend a two-year technical college must take the ASSET or COMPASS placement test.

Students who earn a B average in 30 hours of academic coursework at a South Carolina technical college may transfer to any public four-year college in the state. Traditional entrance requirements are waived (SAT or ACT is not required for transfer students).

Destination: Military

Military recruiters visit the high schools to talk with students who are interested in a career in the military. Students are encouraged to use their EXPLORE and PLAN results to help them make their decisions about a military career. Students who enter the military must take the ASVAB. This information is then used in decisions about military assignments.

Destination: Four-year College

Students who plan to enter a four-year college immediately after graduation should be aware of the specific college entrance requirements of the colleges.

Students who plan to enter a four-year college must take a college entrance exam as a part of the admissions process. Two widely recognized college entrance exams are the Scholastic Aptitude Test (SAT) and the American College Testing program (ACT). All colleges and universities in South Carolina accept both ACT and SAT scores for use in their admissions process.

ACT and SAT are different in format and content. Some students perform better on one test than they do on the other. Prior to registering for one of these tests, students are strongly encouraged speak with their guidance counselor and/or school administrator regarding which test is most suited to their strengths. At that time, they should also utilize PLAN scores and PSAT scores to help inform their decision.

College Admission Factors

Students planning to attend a four-year college should begin considering these factors as early as eighth grade and plan their high school program accordingly.

1. Select coursework that meets the college entrance requirements.
2. Realize that your courses should be at the instructional level that helps you reach your potential and prepares you for college/career goals.
3. Determine the required courses for your intended college major.
4. Remember that grade point average, class rank, and SAT or ACT scores are all used to determine college acceptance. Entrance requirements vary among colleges. Therefore, you should read college catalogs and talk with college admission counselors concerning specifics for the college(s) in which you are interested.
5. Be aware that extracurricular and leadership activities and/or work experience may also influence your admission.

Choosing the Right College

1. Evaluate your strengths and abilities. Examine your choice of lifestyle. Utilize information about colleges/careers in the guidance office and media center.
2. Take the PSAT and PLAN your sophomore year and take the PSAT again in your junior year. The test will place you on a mailing list for college information. The PSAT in the junior year also serves as the National Merit Scholarship qualifying test.
3. Create a list of schools to investigate, based on your personal goals. SCOIS and other sites on the Web are good resources for exploration. At least one of these computer-based career information delivery systems is available on any district-networked computer in your high school.
4. Determine requirements for admission and costs for each school on your list.
5. Arrange for college visits. When visiting, talk with admissions counselors and financial aid officers.
6. Fine-tune your list.
7. Ask for teacher/counselor recommendations.
8. Submit applications through the guidance office.
9. Apply for financial aid or scholarships. Do not rule out smaller private colleges due to costs.

Universities

The Commission on Higher Education (CHE) established the minimum course requirements for students who plan to attend a public college in South Carolina. Some colleges require courses in addition to those listed below (see college catalogs for admission requirements).

Four Units of English

At least two units must have strong grammar and composition components, at least one must be in English literature, and at least one must be in American literature. Completion of English 1, 2, 3 and 4 will meet this criterion.

programming content, not simply keyboarding) is strongly recommended for this elective. Other acceptable electives

Four Units of Math

These include Algebra 1 (for which Algebra 1A and 1B, or Foundations in Algebra and Intermediate Algebra, may count together as a substitute, if a student successfully completes Algebra 2), Algebra 2, and geometry. A fourth higher-level mathematics course should be selected from among pre-calculus, calculus, or statistics.

Three Units of Lab Science

Two units must be taken in two different fields of the physical and life sciences and selected from among biology, chemistry or physics. The third unit may be from the same field as one of the first two units (biology, chemistry or physics) or from any laboratory science for which biology and/or chemistry is a prerequisite. It is strongly recommended that students take physical science as a prerequisite to the three required units of laboratory science outlined in this section. It is also strongly recommended that students desiring to pursue careers in science, math, engineering or technology take one course in all three fields.

Two Units of Modern Language

Two years of the same modern language (Clemson and College of Charleston require 3 units).

One Unit of Physical Education or JROTC

Three Units of Social Studies

One unit of US history is required; a half unit of economics and a half unit in government, and one additional social studies course.

One Unit of Fine Arts

One unit in appreciation of, history of, or performance in one of the fine arts.

Elective

One unit must be taken as an elective. A college preparatory course in computer science (i.e., involving significant

include college preparatory courses in English; fine arts; foreign language; social science; humanities; laboratory 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 mathematics above the level of Algebra 2.

College Planning Checklist

When to Begin	What to Do	How to Do It
Eighth Grade	Select a high school area of study to explore and become familiar with college entrance requirements. Continue career exploration activities.	Work with parents, teachers and counselors to create an Individual Graduation Plan (IGP) to satisfy your career and educational goals. Get involved at school and in your community.
Freshman Year	Update your IGP and work to your academic potential. Continue career exploration activities.	Continue to work with parents, teachers, and counselors to refine your IGP. Try job shadowing. Stay involved in school and community activities.
Sophomore Year	Take PLAN and/or PSAT in the fall. Review results and modify your IGP. Take academically challenging courses. Investigate summer enrichment programs.	Meet with your counselor to plan for college. Consider job shadowing. Check your guidance newsletters for summer opportunities and other valuable information.
Junior Year Fall	Register to take the PSAT. Think about your reasons for going to college. Investigate possible career options and degree level required. Identify important factors in choosing a college.	Collect information from ED-OP Day (Educational Opportunity Day). During ED-OP, students have the opportunity to talk with admissions counselors from South Carolina colleges and universities and some from out of state. Explore colleges and careers on SCOIS and the Internet. Continue to focus on your schoolwork and to work with your parents, teachers and counselors.
Spring	Prepare to take the ACT and WorkKeys. Consider registering for the SAT or COMPASS as well. List colleges you are considering and collect information. Investigate summer enrichment programs. Continue to work to your highest academic potential and be involved in school and community activities.	Prepare for and visit colleges. Continue collecting college and career information. Enroll in summer activities. Take some time to volunteer.
Senior Year Fall	Continue to take a full load of challenging courses. Compare the colleges on your list. Apply to your "choice" colleges. Register for the SAT, ACT, COMPASS or ASSET. Search for scholarship opportunities.	Participate in ED-OP Day and Financial Aid Night. Continue visiting colleges. Complete applications by early October. Check guidance newsletters for scholarship opportunities. Complete scholarship applications and observe deadlines. Work closely with your counselor, parents and teachers to finalize your plans.
Spring	Apply for financial aid in January or February. Continue to search for scholarship opportunities. Make your final college decision. Register for college housing.	Complete the Federal Application for Student Financial Aid (FASFA) after January 1. Complete scholarship applications. Complete final paperwork for college of choice.

Curriculum Framework

Overview

South Carolina high school students face many challenges—higher graduation standards, increasing college entrance requirements and growing workforce demands. For students to be successful, high schools must provide a curriculum that is challenging and relevant. They must also offer a sequence of courses to assist students in becoming lifelong learners.

A framework for curriculum planning aids students and their parents in this process. An effective curriculum framework must have high standards and expectations for all students, a rigorous curriculum that prepares them for post-secondary education and engaging instructional strategies designed to help students learn important concepts and ideas in depth. The curriculum framework used by the School District of Newberry County includes a rigorous curriculum design and a requirement that each student develop a challenging individual graduation plan (IGP).

Working with their parents, counselors and teachers, students develop plans that include academic as well as profession-related courses. Their plans also identify extended learning opportunities that are designed to prepare students for transition to post-secondary education and the workplace.

The School District of Newberry County strives to provide a comprehensive curriculum to address the individual needs of all of our students. The framework design allows for an integrated, multi-dimensional approach to planning that helps students become successful learners for high school and beyond. The framework provides a structure for planning and communicating high expectations.

Framework Design

A comprehensive curriculum framework includes the following elements:

- Areas or schools of study
- Clusters of study
- Majors for each cluster of study
- An IGP
 - Recommended curriculum for an IGP
 - Template for the IGP for each major

An area or school of study is a way to organize the curriculum into broad program areas that are interrelated in nature and that relate to various professions and academic areas of study. There are six areas of study in our framework:

- Arts, Communication, and Information
- Business, Marketing, and Management
- Environmental and Agricultural Systems
- Health Science
- Human Resources and Services
- Industrial, Manufacturing, and Engineering Systems

The United States Department of Education (USDE) has developed 16 national clusters of study as a means of organizing the curriculum. The secondary curriculum framework for the School District of Newberry County is designed around these 16 national clusters and addresses 15 of them within the schools of study. Clusters of study organize and tailor coursework and learning experiences around student interests and are designed to provide a seamless transition from high school study to postsecondary study and/or the workforce. There are 12 clusters of study in the School District of Newberry County from which to choose. They are as follows:

- Agriculture, Food, and Natural Resources
- Architecture and Construction
- Business, Management, and Administration
- Finance
- Health Science
- Human Services
- Information Technology
- Law, Public Safety, Corrections, and Security
- Marketing, Sales, and Services
- Manufacturing
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics

A cluster of study has several majors. Earning a major consists of the completion of at least four required units in that major as well as complementary electives that relate to that area. It is recommended that students take at least one course at the highest level offered. A major is a concentration of coursework in a specialized area, and it is designed to enable students to focus on an area of interest that motivates them to stay in school, be better prepared for post-secondary choices and/or the workplace, and make a smooth transition to post-secondary education and/or the workplace. There are 26 majors in our framework. With careful planning beginning in the ninth grade, it is possible to complete more than one major.

An IGP includes the state high school graduation requirements and/or college entrance requirements. In addition, course recommendations for successful completion of a major that aligns to post-secondary education and the workplace are included.

Choosing a school of study, a cluster of study and a major requires students to assess interests and skills, then select coursework to achieve their academic goals while exploring a professional goal. In the spring of eighth grade, students choose one of the five areas of study to explore. This takes place during a conference with a school counselor, the student and his or her parent(s). In ninth grade, students select at least one of the 15 clusters to explore, the goal being to select a major by the end of tenth grade.

The district highly recommends that students explore a broad range of experiences and interests during their high school

years. There is ample opportunity to make course selections to complete a major and participate in other areas of interest, such as JROTC, fine arts, physical education, etc.

Individual Graduation Plan

The purpose of the Individual Graduation Plan (IGP) is to assist students and their parents in exploring educational and professional possibilities, and in making appropriate secondary and post-secondary decisions. The IGP is part of the career planner. It builds on the coursework, assessments and counseling in middle and high school. The IGP is not intended to reflect all aspects of the high school experience.

Developing the IGP

School counselors begin working with students regarding interests, clusters of study, majors, postsecondary choices and high school options through individual and group counseling in the sixth grade. This includes information on academic and professional goals, career activities and access to career resources. Teacher and parental involvement throughout this process is vital.

Sixth Grade

- Students complete a career interest inventory.
- Students participate in career exploration activities.

Seventh Grade

- Students continue career exploration activities.
- Students have the opportunity to participate in career shadowing.

Eighth Grade

- Students choose an area of study they would like to explore.
- Working with their parents, counselors and teachers, students begin developing an IGP to include academic as well as profession-related courses.
- Students have the opportunity to participate in career shadowing.

Ninth Grade

- Students choose a cluster of study to explore.
- Students may declare a major, focusing their elective choices in a particular area.
- Students have the opportunity to participate in career shadowing.
- Students review and update their IGP developed in the eighth grade.
- Students begin to explore post-secondary opportunities

Tenth Grade

- Students declare a major if they have not done so in the ninth grade.
- Students have the opportunity to participate in extended learning opportunities.
- Students review and update their IGP.

- Students begin to develop post-secondary goals.

Eleventh Grade

- Students review and update their IGP with particular attention being given to post secondary goals.
- Students have the opportunity to participate in extended learning opportunities.

Twelfth Grade

- Students complete requirements for a major.
- Students have the opportunity to participate in extended learning opportunities.
- Students receive recognition for completion of a major at graduation.

Students are never locked into a specific cluster or major. Students can change majors if their professional interests change. They can use the curriculum framework, with its areas of study, clusters of study and majors and career assessment information in making these decisions.

Recommended Curriculum and Required Core for Graduation

The recommended curriculum is based on the Southern Regional Education Board (SREB) curriculum model as well as state and local graduation requirements. The core requirements for graduation appear on templates that are available in each school's guidance department, as well as on the district website.

In order to graduate with a major, students must complete four units of study from the offerings identified on district templates.

Complementary courses are drawn from both academic and profession-related courses that support the major. Complementary courses are chosen based on their reinforcement of the skills students must master relative to the major. Students are encouraged, but not required, to enroll in complementary courses.

The IGP identifies learning experiences outside the classroom designed to make learning relevant and to give students an awareness of work associated with the major. Examples of extended learning opportunities include shadowing, career mentoring, service learning, internships, cooperative education, apprenticeships, senior projects, career information delivery system exposure and career-related student organizations.

The IGP lists sample careers for that profession. The professional opportunities shown are a short list of the many occupations available in each specific area. The occupations are grouped by educational categories: high school diploma, two-year associate degree, and four-year degree or higher.

The School District of Newberry County Curriculum Framework

THE SCHOOL DISTRICT OF NEWBERRY COUNTY
Sample Curriculum Template

Required Core for Graduation	SAMPLE CORE CHOICES			
	For additional college entrance requirements, refer to the college of your choice.			
	9	10	11	12
English* Four Units	English	English	English	English
Math* Four Units	Algebra 1	Geometry	Algebra 2	Probability & Statistics
Science* Three Units	Physical Science	Biology	Chemistry/Applied Chemistry	Physics/Environmental Science
Social Studies Three Units	World Geography	History of the Modern World	US History	Economics & Government
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Modern Language or CATE (one unit) Electives (seven units)			

* Course selection will depend on satisfying prerequisites. The above represents the minimum requirements needed for high school graduation.

Note: Additional templates detailing the core requirements for graduation are available in each school's guidance department, as well as on the district website. These templates provide examples relating to specific IGPs and career goals. They should be referenced during IGP meetings with students and parents.

Course Listings

ARMY JROTC

ARMY JROTC 1

375102CW

Leadership, Education and Training I (LET 1)

This course provides an introduction to the history, purpose and structure of Army JROTC. It is designed to give students pride in themselves, school, country and JROTC. This is accomplished by developing the cadet's appreciation of the values of good citizenship, leadership skills, communication skills, cadet challenge (physical fitness), leadership lab (marching), and health education. The course also develops skills in goal setting, educational and vocational opportunities, and stresses the importance of a high school diploma. Military standards (haircuts and uniform appearance), customs and courtesies are emphasized. Cadets are required to wear uniforms one day a week, participate in three parades and attend the military ball. Cadets may participate in extracurricular programs such as the color guard and drill team. These teams support the community and compete on the high school level with other schools. All materials are provided. Students taking JROTC are not required to serve in the United States military.

Prerequisite: None
Credit: 1 unit
Offered: Grades 9-12

ARMY JROTC 2

375202CW

Leadership, Education and Training II (LET 2)

This course builds on the skills that are learned in the first year of JROTC. New areas of study include the role of the U.S. Army, career opportunities, and technology awareness. Leadership, Education, and Training II provides more details about leadership situations so students are prepared for success both in and out of the classroom. Citizenship is still a major emphasis of the program. Cadets are placed in a position of increased responsibility that directly contributes to the running of the cadet company and the training of other cadets. Cadets wear their uniforms once a week and meet proper Army grooming standards. The Army JROTC program sponsors a cadet color guard and drill team that represents the school and community at many functions throughout the year to include competitions with other schools.

Prerequisite: JROTC 1
Credit: 1 unit
Offered: Grades 10-12

ARMY JROTC 3

375302CW

Leadership, Education and Training III (LET 3)

This course provides an opportunity to build on the skills that are learned in the first two years of JROTC. The third year of instruction involves each student more as a leader, teacher, and counselor within the cadet company. The curriculum includes a more-in-depth study of techniques of communications, leadership, cadet challenge, military history and career opportunities. Students are assisted in the development of plans for after high school. Requirements (uniform wear) and opportunities (color guard/drill team) remain the same.

Prerequisites: JROTC 2 and approval of the Senior Army Instructor
Credit: 1 unit
Offered: Grades 11-12

ARMY JROTC 4

375402CW

Leadership, Education and Training IV (LET 4)

The primary emphasis for this course is placed on the practical application of the cadet's leadership duties and responsibilities within the cadet battalion. The year is structured to allow cadets the opportunity to work on the cadet staff where they assist in the running of the cadet battalion. Citizenship, leadership, organizational skills, and communications are the major emphasis for LET IV. Responsibilities (wearing of uniform and opportunities (drill team and color guard) remain the same.

Prerequisites: JROTC 3 and approval of the Senior Army Instructor
Credit: 1 unit
Offered: Grade 12

MILITARY HISTORY

379980CH

Military history is an introduction to the salient concepts and problems involved in the study of military history. It also addresses the effect of war on human society and development and examines the significance of war in human culture.

Prerequisites: World Geography, History of the Modern World, US History (or concurrent enrollment)
Credit: ½ unit
Offered: Grades 11-12

ENGLISH

English courses in The School District of Newberry County provide a wide range of opportunities with varied instructional experiences to meet the needs of students. Core courses provide the academic tools necessary for students to succeed in the workplace or continue studies in technical fields or college programs. Emphasis is placed on the continual strengthening of skills in the English language arts: reading, writing, speaking, listening, and research.

ENGLISH 1 302400CW

Students will continue to improve reading and writing skills through a variety of instruction. Students will enhance creative writing skills with an emphasis on narrative, expository, and descriptive essays. English 1 includes supplemental reading, vocabulary enrichment, research assignments, the study of grammar and test-taking skills as well as a comprehensive analysis of various novels, short stories, poetry, Shakespearean drama, essays, etc. The class will focus on adolescent literature that addresses contemporary issues that students face in today's complex society. The course includes reality based activities designed to prepare students for the demands of post secondary programs and/or technical careers. The South Carolina End-of-Course Exam is required and counts 20% of the final grade.

Credit: 1 unit
Offered: Grade 9

ENGLISH 1 HONORS 302400HW

The honors strand is for students who have demonstrated a high degree of proficiency in reading and writing as well as highly-developed study skills. Students continue to develop language skills through sustained, structured study of classical and contemporary literature. Students apply higher order thinking skills to reading selections and build and extend specialized vocabulary. Narrative, descriptive, persuasive, and expository writing assignments will emphasize selecting and using techniques appropriate to audience and purpose. The South Carolina End-of-Course Exam is required and counts 20% of the final grade.

Prerequisite: Criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grade 9

ENGLISH 2 302500CW

Students will continue to develop language skills through sustained, structured study of classical and contemporary literature. They apply higher order thinking skills to reading

selections and build extended, specialized vocabulary. Student writings include exposition with emphasis on word choice, vivid descriptions, and complex dialogue. Students analyze and critique professional and peer writings to select and utilize techniques appropriate for audience and purpose and to refine their personal communication styles.

Prerequisite: English 1
Credit: 1 unit
Offered: Grade 10

ENGLISH 2 HONORS 302500HW

In Honors English 2, students will focus on both fiction and nonfiction, world literature in all genres. The honors strand is for students who have demonstrated a high degree of proficiency in reading and writing as well as highly-developed study skills. Students continue to develop language skills through sustained, structured study of classical and contemporary literature. Students apply higher order thinking skills to reading selections and build extended, specialized vocabulary. Student writing emphasizes sentence fluency, conventions, organization, voice, style, and tone.

Prerequisites: English 1; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 9-10

ENGLISH 3 302600CW

Students extend their study of classical and contemporary literature through increasingly sophisticated readings. Students become more independent readers and extend their vocabulary through a wide range of texts. Students develop a thorough understanding of themes and different periods during the development of American literature and evaluate the impact and use of literary elements. Student writing emphasizes depth of information, accuracy, and organization to support the purpose of writing.

Prerequisites: English 1 and 2
Credit: 1 unit
Offered: Grade 11

ENGLISH 3 HONORS 302600HW

The honors strand is for students who have demonstrated a high degree of proficiency in reading and writing as well as highly-developed study skills. Students write papers in response to literary works with increasing length and depth. They continue their study of classical and contemporary literature through progressively more sophisticated readings. They become more independent readers and extend their vocabulary through a wide range of texts. Students develop a thorough understanding of the themes and different periods during the development of American literature and learn to evaluate the impact and use of

literary elements. Student writing emphasizes greater depth of information, accuracy, and clear organization to support the purpose of writing. Sources of information are analyzed, synthesized, and cited appropriately.

Prerequisites: English 1 and 2; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 10-11

ENGLISH 4 302700CW

Students study classical and contemporary literature through increasingly sophisticated readings. They grow as independent readers and extend their vocabulary through widening ranges of texts. Students study major literary forms and themes of British literature and evaluate author's craft through the study of literary devices. Students apply higher order thinking skills to the study of traditional and contemporary poets and dramatic elements of plays. Students write in a variety of genres, evaluate their work for effectiveness, and apply information from other sources to support their own writing.

Prerequisites: English 1, 2 and 3
Credit: 1 unit
Offered: Grade 12

ENGLISH 4 HONORS 302700HW

The honors strand is for students who have demonstrated a high degree of proficiency in reading and writing as well as highly-developed study skills. Students continue to refine their language skills through increasingly sophisticated readings. Students study major literary forms and themes of British literature and evaluate author's craft through the study of literary devices. Students apply higher order thinking skills to the study of traditional and contemporary poets and dramatic elements of plays. Students write in a variety of genres, evaluate their work for effectiveness, and apply information from other sources to support their own writing. Student writings emphasize sentence fluency, conventions, organization, voice, style, and tone.

Prerequisites: English 1, 2 and 3; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 11-12

ENGLISH 101 and 102 301500EW and 301600EW Dual Credit

These courses encompass College Freshman Composition and Introduction to Library Research, the Research Paper and Literature. Dual credit will be awarded through Piedmont Technical College.

Prerequisite: English 4
Dual Credit: 2 units - Dual Credit

6 hours college credit
Offered: Grade 12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

AP ENGLISH – LITERATURE AND COMPOSITION 307004AW

This course uses a college level text and supplementary materials to provide students with opportunities to analyze and evaluate mature literature selections. Students will write papers of various lengths at a level comparable to that required in a college freshman literature and composition course. The course emphasizes analysis of selections from world literature by genre: short story, poetry, drama, essay, and novel. Students must possess high level verbal skills and motivation to complete rigorous assignments. Preparation for the advanced placement exam includes classroom testing, compositions, speeches, outside reading, and research. Students enrolled in this course will take the AP exam administered in May.

Prerequisites: Honors English 4 *
Credit: 1 unit - AP
Offered: Grades 11-12

* Highly motivated students who complete Honors English 3 will be considered if space is available (students must be willing to take English as a senior).

AP ENGLISH LANGUAGE 307100AW

This course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

Prerequisites: Honors English 4 *
Credit: 1 unit - AP
Offered: Grades 11-12

* Highly motivated students who complete Honors English 3 will be considered if space is available (students must be willing to take English as a senior).

CREATIVE WRITING 303200CH

This one-semester elective course is for students who have an interest in writing. Students will write a variety of genres including fiction, drama and poetry.

Prerequisites: English 1
Credit: ½ unit
Offered: Grades 10-12

BEST SELLERS 309922CH

This one-semester elective course is for students of all ability levels. The goals of this course are to foster enjoyment of reading and discussion, encourage students to use language to share reading with others, and to help students learn to use their minds through discussion and evaluation of current and recent books from all disciplines.

Prerequisites: English 1 and 2
Credit: ½ unit
Offered: Grades 11-12

ACT LANGUAGE ARTS PREPARATION 401200CH

This course is designed to aid the student in preparing to take the college entrance examination. Students will be given a sample ACT. The results will be used to assign students individualized work for the English and Reading section of the test. This is a semester course that will be paired with a semester of ACT Math Preparation.

Prerequisite: English 1 and 2 (or concurrent enrollment in English 2)
Credit: ½ unit
Offered: Grades 10-12

SAT PREPARATION-VERBAL 401116CH

This course is designed to aid the student in preparing to take the college entrance examination. Students will be given a sample SAT. The results will be used to assign students individualized work for the critical reasoning section of the test. This is a semester course that will be paired with a semester of SAT Preparation-Math

Prerequisite: English 1 and 2 (or concurrent enrollment in English 2)
Credit: ½ unit
Offered: Grades 10-12

COLLEGE & CAREER TEST PREP 1 - ELA 379930CH or 379930CW

This course is designed to provide acceleration for students in preparation for the College and Career Readiness Assessment.

Credit: ½ or 1 unit elective credit
Offered: Grades 10-11

COLLEGE & CAREER TEST PREP 2 - ELA 379931CH or 379931CW

Prerequisite: College & Career Test Prep 1 - ELA
Credit: ½ or 1 unit elective credit
Offered: Grades 10-11

YEARBOOK PRODUCTION 1 305412CW

This is a hands-on course where students learn and use page-making technology and digital imaging. They develop appropriate business and marketing practices, participating in selling ads, and other fundraising.

Prerequisite: English 1
Credit: 1 unit
Offered: Grades 11-12

YEARBOOK PRODUCTION 2 305600CW

Students in these classes continue to practice and perfect skills learned in Yearbook 1. They will serve as leaders and editors on the yearbook staff. Successful completion of Yearbook 1 and a recommendation by the advisor are requirements for enrolling in this course.

Prerequisites: Yearbook 1, English 2
Credit: 1 unit
Offered: Grades 11-12

NEWSPAPER 1 305301CH or 305301CW (WCS)

Students who are interested in serving on the newspaper staff and distributing the newspaper to the student body will study various phases of producing writing for the newspaper. Students will have hands-on experiences with the organization of the layout, the editing of the paper, and the research and generation of articles concerning the student body.

Prerequisite: English 1
Credit: ½ or 1 unit
Offered: Grades 10-12

JOURNALISM 1 305000CH or 305000CW

Students will generate their own article ideas, headlines, and sources. Students will be given the opportunity to learn new technology concerning the layout of the newspaper. This course is designed for students with a high interest in journalism. Students are taught interviewing skills, writing copy, using video cameras and microphones, lighting, and editing.

Prerequisite: None
Credit: ½ or 1 unit
Offered: Grades 9-12

JOURNALISM 2
305100CH or 305100CW

Students will generate their own article ideas, headlines, and sources. Students will be given the opportunity to learn new technology concerning the layout of the newspaper. This course is designed for students with a high interest in journalism. Students are taught interviewing skills, writing copy, using video cameras and microphones, lighting, and editing.

Prerequisite: Journalism 1
Credit: ½ or 1 unit
Offered: Grades 9-12

SECONDARY LITERACY
308600CH (MCHS)

This semester course focuses on reading, writing and language skills that enable students to master the development, organization and style of clear and coherent writing appropriate to task, purpose and audience. This includes argumentative and informative writing assignments; students will develop analytical, evaluative and grammatical skills to enable their success regarding college and career readiness.

Prerequisite: None
Credit: ½ unit
Offered: Grade 9

FINE ARTS

The art curriculum exposes students to a variety of media to ensure a better understanding of the arts. Students have opportunities to develop art techniques according to individual interest and potential, and to prepare college bound students for higher education in art.

ART 1
350100CW or 350101CH
Introduction to Art

This year-long course is designed to provide young artists with the opportunity to be introduced to the elements of art and principles of design. Students will be trained to use a wide range of media and diverse artistic techniques. Students will be introduced to historical and aesthetic merits, which include study of major art periods, and styles of art. Emphasis for art students will be placed on aesthetic perception, aesthetic valuing, arts heritages and creative expression. The units of study will include drawing, painting, sculpture, art history and graphic design.

Prerequisite: None
Credit: ½ or 1 unit
Offered: Grades 9-12
Fees: \$25.00

ART 2

350200CW or 350200CH
Drawing

This year-long course is designed to provide young artists with the opportunity to be introduced to the elements of art and the principals of design. Students will be trained to use a wide range of media and diverse artistic techniques. Emphasis for art students will be placed on aesthetic perception, aesthetic valuing, arts heritages and creative expression. A wider range of media will be explored by students including watercolor, photography, ink and oil pastels.

Prerequisite: Art 1
Credit: ½ or 1 unit
Offered: Grades 10-12
Fees: \$25.00

ART 3
350300CW

This year-long course is designed to provide the advanced art student the opportunity to develop a personal portfolio while exploring media and subject matter of their choice. Students will keep a photographic and drawing journal throughout the year. Students will study in greater detail the periods and trends in the art world. Students wishing to take AP for their 4th year will have produced at least six portfolio pieces for AP review.

Prerequisites: Art 1 and 2
Credit: 1 unit
Offered: Grades 11-12
Fees: \$35.00

ART - CERAMICS
456100CH/456100CW

This semester course is designed to provide the serious art student with the basic knowledge of ceramics. Students will be introduced to the potter's wheel and the hand building techniques (pinch, slab and coil construction), and kiln operations. A sketchbook is required.

Prerequisites: Art 1 and 2; teacher recommendation
Credit: ½ unit or 1 unit
Offered: Grades 10-12
Fees: \$35.00

ART - PHOTOGRAPHY
456600CH/456600CW

This course is designed to introduce the student to photography. Students will learn how to take photographs and use technology to enhance them. This course is designed for the serious art student. A notebook will be required.

Prerequisites: Art 1 and 2
Credit: ½ or 1 unit
Offered: Grades 11-12
Fees: \$25.00

ART HISTORY

358800CW

This course is designed to provide students with learning experiences with art styles, artists, cultural influences and art theories pertaining to the art of the Western World. It will be taught through a humanities approach which will allow the student who needs an arts unit to achieve it even if they do not have artistic talent.

Prerequisites: Art 1 and 2
Credit: 1 unit
Offered: Grades 11-12
Fees: \$25.00

CHORUS 1

354100CW

This course is a fine arts course with emphasis on choral singing skills and the basic elements of music. A variety of music is performed including a selection of popular and classical styles. Students will study the basics of music theory, sight singing, concert etiquette, and vocal techniques. Participation in two concerts is required. This class is designed for freshmen with an interest in singing.

Prerequisite: Enjoyment of singing
Credit: 1 unit
Offered: Grade 9
Fees: \$20.00

CHORUS 2

354200CW

This course is a continuation of Chorus I, but is also open to upper-classmen that missed Chorus 1 and have some musical background or a real interest in choral singing.

Prerequisite: Chorus 1
Credit: 1 unit
Offered: Grades 10-12
Fees: \$20.00

CHORUS 3

354300CW

This course provides more in depth study of the skills and concepts covered in Chorus 1 and Chorus 2. Because of more frequent performances, the class moves at a faster pace. Students must be willing to participate in some extra performances. Additional opportunities include small ensembles and honor choirs. Knowledge of basic music theory and sight-reading required.

Prerequisite: Audition
Credit: 1 unit
Offered: Grades 11-12
Fees: \$20.00

CHORUS 4

354400CW

This course provides more in depth study of the skills and concepts covered in Chorus 1, Chorus 2 and Chorus 3. Because of more frequent performances, the class moves at a faster pace. Students must be willing to participate in some extra performances. Additional opportunities include small ensembles and honor choirs. Knowledge of basic music theory and sight-reading required.

Prerequisite: Audition
Credit: 1 unit
Offered: Grades 11-12
Fees: \$20.00

HONORS CHORUS 3 AND 4

354300HW and 354400HW

Chorus members may receive honors credit in the 11th and 12th grade for completing all requirements of the honors chorus curriculum. Honors chorus is for those select students with the commitment and ability to undertake a more demanding workload in the areas of music performance and scholarship.

Prerequisites: Application and audition
Credit: 1 unit per year - Honors
Offered: Grades 11-12
Fees: \$20.00

BAND

353100CW (1)/353200CW (2)

353300CW (3)/353400CW (4)

This course is designed to be a continuation of the middle school band experience with a greater emphasis on quality literature and performance. Students will be expected to participate in all ensembles, including the marching band, and attend all rehearsals and performances. (Participation in marching band is mandatory unless the student is participating in a fall sport.) Concepts studied in this course include learning music through performance, the development of performance skills of the various wind and percussion instruments, the development of discrimination with regards to the selection of music, acquainting the students with music theory and music history, the development of the ability to function as a responsible member of a group, and to foster leadership skills within each student.

Prerequisite: Audition
Credit: 1 unit
Offered: Grades 9-12

HONORS BAND 3 AND 4 **353302HW/353402HW**

This course is designed for the students already enrolled in the band program who have ability and commitment to pursue a rigorous course of study beyond the normal expectations in the field of instrumental music. Honors band members may receive honors credit in the eleventh and twelfth grades for completing all requirements of the honors band curriculum. The decision of who is eligible for honors credit will be determined by the director.

Prerequisite: Audition
Credit: 1 unit - Honors
Offered: Grades 11-12

INSTRUMENTAL MUSIC **353000CW/353700CW/353800CW**

This course is designed for students already enrolled in the band program who have the ability and commitment to pursue an additional course of study beyond the regularly offered band class.

Prerequisite: Audition
Credit: 1 unit
Offered: Grades 9-12

MUSIC APPRECIATION 1 **356100CH or 356100CW**

This class will give an overview of music, music theory, and an appreciation for classical music, instrumental identification, and music history.

Prerequisite: None
Credit: ½ or 1 unit
Offered: Grades 9-12

MUSIC APPRECIATION 2 **356200CW**

This multi-media program surveys music and its role in our lives and the lives of cultures around the world. It is an active study of how music says who we are as human beings and how we express ourselves through music. There will be tests at the completion of each chapter in the text, home-based projects and a short term paper.

Prerequisite: None
Credit: 1 unit
Offered: Grades 9-12

AP MUSIC THEORY **357604AW**

Music theory is an introductory study of the structure of music. The course is designed for music students who plan to major in music at the college level and who have had some piano, choral, or instrumental experience. Emphasis is on elements of music,

ear training, and composition. Students enrolled in this course will take the AP exam administered in May.

Prerequisite: Some piano, choral, or instrumental experience
Credit: 1 unit - AP
Offered: Grades 11-12

WORLD MUSIC **458400CW**

This course explores the ways that music is both shaped by and gives shape to the cultural settings in which it is performed, through studying selected musical traditions from around the world. There is such a wide variety of music in the world with so many different voices, instruments, and styles. This music is created and produced by a myriad of cultures, and each culture considers it to be special. The study of world music, therefore, will broad your exposure to different musical systems, but it will also serve to enhance your understanding of the world's many different cultures.

Prerequisite: None
Credit: 1 unit
Offered: Grades 9-12

MATHEMATICS

The mathematics curriculum has been designed to prepare students to enter the workplace or to further their education at a technical or four year college. Students are required to have four math credits for graduation.

Standards, course codes, and titles of courses marked with an asterisk (*) are subject to change pending the approval of new standards as per Act 200.

ALGEBRA 1 **411400CW**

Algebra 1 is designed to prepare students for success in advanced mathematics courses by providing a foundation in algebra. In Algebra 1, students build on the conceptual knowledge and skills they mastered in earlier grades in areas such as algebraic thinking, data analysis, and proportional reasoning.

Prerequisite: Met Standard on 8th Grade State Math Assessment
Credit: 1 unit
Offered: Grades 9-10

ALGEBRA 1 HONORS **411400HW**

Content encompasses the real number system; operations involving exponents, matrices, and algebraic expressions; relations and functions; writing and solving linear equations; graphs and characteristics of linear equations; and quadratic

relationships and functions. In addition to all objectives and requirements of Algebra 1, this course stresses higher order thinking skills by providing students with enrichment experiences for in-depth understanding and application. Students will be expected to apply content problem solving. The South Carolina End-of-Course Exam is required and counts 20% of the final grade.

Prerequisite: Criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grade 9

GEOMETRY

412200CW

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

Prerequisite: Algebra 1 or Algebra 1B
Credit: 1 unit
Offered: Grades 9-11

GEOMETRY HONORS

412200HW

Content encompasses properties of basic geometric figures; properties of triangles; properties of quadrilaterals and other polygons; properties of circles, lines, and special segments intersecting circles; transformations; coordinate geometry; vectors; surface area and volume of three-dimensional objects; and proofs. In addition to all objectives and requirements of geometry, this course stresses higher order thinking skills by providing students with enrichment experiences for in-depth understanding and application. Students will be expected to apply content to problem solving.

Prerequisites: Algebra 1 or Algebra 1B; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 9-11

ALGEBRA 2

411500CW

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Prerequisites: Algebra 1 or Algebra 1B, Geometry or Plane Geometry

Credit: 1 unit
Offered: Grades 10-12

ALGEBRA 2 HONORS

411500HW

The content of the intermediate algebra standards encompasses functions; systems of equations; systems of linear inequalities; quadratic equations; complex numbers; algebraic expressions; nonlinear relationships including exponential, logarithmic, radical, polynomial, and rational; conic sections; and sequences and series. Content in this course may go beyond the intermediate algebra standards. In addition to all objectives and requirements of Algebra 2, this course stresses higher order thinking skills by providing students with enrichment for in-depth understanding and application. Students will be expected to apply content to problem solving.

Prerequisites: Algebra 1 or Algebra 1B, Geometry or Plane Geometry; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 10-12

ELEMENTARY PROBABILITY AND STATISTICS

314402CW

This course is an applied probability and statistics course. Content encompasses design of a statistical study; collection, organization, display, and interpretation of data; basic statistical methods of analyzing data; and basic concepts of probability. Students should learn to use a variety of ways to represent data, to use a variety of mathematical tools such as graph paper, and to use technologies such as graphing calculators to solve problems.

Prerequisite: Geometry or Plane Geometry
Credit: 1 unit
Offered: Grades 11-12

PROBABILITY AND STATISTICS

414101CW

This course is an intermediate probability and statistics course. The primary objective of this course is to introduce statistical concepts to students. Since statistics has applications in many areas such as business, science, medicine, and education, real-life examples will focus on these topics. Graphing calculators and computer software will be used to further illustrate many of the concepts. This course includes the following topics: introduction to probability and statistics including the organization of data, sample space concepts, random variables, counting problems, binomial and normal distribution.

Prerequisites: Algebra 2, Geometry
Credit: 1 unit
Offered: Grade 11 or 12

HONORS PRE-CALCULUS

413114HW

Content encompasses characteristics and behaviors of functions, operations on functions, behaviors of polynomial functions and rational functions, behaviors of exponential and logarithmic functions, behaviors of trigonometric functions, and behaviors of conic sections. In addition to all objectives and requirements of pre-calculus, this course stresses higher order thinking skills by providing students with enrichment experiences for in-depth understanding and application. Students will be expected to apply content to problem solving.

Prerequisites: Algebra 2, Geometry; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 10- 12

COLLEGE ALGEBRA

Dual Credit

Math 110 – 413300EW

This dual credit math course includes the following topics: Polynomials, rational, logarithmic, and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; and solutions of higher degree polynomials. This is a semester course.

Prerequisites: Geometry or Plane Geometry, Algebra 2
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grade 12
Fee: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

PROBABILITY AND STATISTICS

Dual Credit

MAT 120 – 414300EW

This course includes the following topics: introduction to probability and statistics including the organization of data, sample space concepts, random variables, counting problems, binomial and normal distribution, central limit theorem, confidence intervals and test hypotheses for large and small samples.

Prerequisites: Geometry or Plane Geometry, Algebra 2
Dual Credit: ½ unit at Honors weighting
3 hours college credit
Offered: Grade 12
Fee: Tuition, a college text must be purchased. *
See Appendix
Piedmont Technical College Section

ANALYTICAL GEOMETRY/CALCULUS

Dual Credit

MAT 140 – 413600EW

This course is designed for students who expect to take Calculus at the post-high school level. The content includes analytical geometry, differential calculus, and integral calculus.

Prerequisite: Pre-Calculus
Credit: 1 unit - Dual Credit
4 hours college credit

Offered: Grade 11-12
Fee: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

ANALYTICAL GEOMETRY/CALCULUS II

Dual Credit

MAT 141 – 413700EW

This course includes the following topics: continuation of calculus of one variable, including analytic geometry, techniques of integration, volumes by integration, and other applications.

Prerequisite: Math 140
Credit: 1 unit - Dual Credit
4 hours college credit
Fee: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

AP CALCULUS AB

417000AW

This course is taught on the college level to prepare students to pass the College Board Examination in order to receive college credit(s). AP Calculus is a very rigorous and demanding course because of the College Board Syllabus that must be followed. Students taking this course will take the AB-level Advanced Placement Calculus Exam in May. TI-83 or TI-84 graphing calculators will be needed for this course. In order to meet the challenge of the AP exam, students must enroll in the Calculus Lab to provide sufficient time for problem solving and practice AP exams. Students enrolled in this course will take the AP exam administered in May. This course is offered during even-numbered years at MCHS.

Prerequisite: Pre-Calculus
Credit: 1 unit - AP
Offered: Grades 11-12

AP CALCULUS LAB

314900HW

The purpose of the lab is to enhance the instruction of the AP Calculus class by giving students time to work problems and ask questions in a lab setting in order to prepare for the AP exam in the spring. A student taking the AP Calculus class must also take the lab.

Prerequisites: Pre-Calculus, concurrent enrollment in AP Calculus
Credit: 1 unit - Honors
Offered: Grades 11-12

AP STATISTICS 417100AW

This course is taught on the college level to prepare students to pass the College Board Examination in order to receive college credit(s). AP Statistics is designed to introduce students to gathering, analyzing, and finding conclusions from data. The course will cover four main topics: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. In order to meet the challenge of the AP exam, students must enroll in the Statistics Lab to provide sufficient time for problem solving and practice AP exams. Students enrolled in this course will take the AP exam administered in May. This course is offered during odd-numbered school years.

Prerequisite: Pre-Calculus
Credit: 1 unit - AP
Offered: Grades 11-12

AP STATISTICS LAB 314910HW

The purpose of the lab is to enhance the instruction of the AP Statistics class by giving students time to work problems and ask questions in a lab setting in order to prepare for the AP exam in the spring. A student taking the AP Statistics class must also take the lab. This course is offered during odd-numbered school years only.

Prerequisites: Pre-Calculus, concurrent enrollment in AP Statistics
Credit: 1 unit - Honors
Offered: Grades 11-12

ACT MATH PREPARATION 412500CH

This course is designed to aid the student in preparing to take the college entrance examination board test. Students will be given a sample ACT. The results will be used to assign students individualized work for the math section of the tests. It is recommended that students have already completed Algebra 1, Geometry, and Algebra 2 or are concurrently enrolled in Algebra 2. This is a semester course that will be paired with a semester of ACT Language Arts Preparation.

Prerequisites: Geometry, Algebra 2
Credit: ½ unit
Offered: Grades 10- 12

SAT PREPARATION – MATH

415016CH

This course is designed to aid the student in preparing to take the college entrance examination board test. Students will be given a sample SAT. The results will be used to assign students individualized work for the math section of the tests. It is recommended that students have already completed Algebra 1, Geometry, and Algebra 2 or are concurrently enrolled in Algebra 2. This is a semester course that will be paired with a semester of SAT Preparation-Reasoning and Writing

Prerequisites: Geometry, Algebra 2
Credit: ½ unit
Offered: Grades 10- 12

COLLEGE & CAREER TEST PREP 1 - MATH 379936CW OR 379936CH

This course is designed to provide acceleration for students in preparation of the College and Career Readiness Assessment.

Credit: ½ - 1 unit elective credit
Offered: Grades 10-11

COLLEGE & CAREER TEST PREP 2 - MATH 379936CW or 379936CH

This course is a continuation of College & Career Test Prep 1 - Math.

Prerequisite: College & Career Test Prep 1 - Math
Credit: ½ - 1 unit elective credit
Offered: Grades 10-11

WORLD LANGUAGE

Spanish is the world language offered in the School District of Newberry County. The student will acquire communicative and intercultural competencies per the guidelines put forth by the 2013 South Carolina Standards for World Language Proficiency. Each student will develop communication skills by listening (understanding), speaking, reading, and writing at an appropriate level of proficiency according to the ACTFL (American Council for the Teaching of Foreign Languages) Proficiency Guidelines:

<http://www.actfl.org/publications/guidelines-and-manuals/actfl-proficiency-guidelines-2012>.

These courses will satisfy college admission requirements for completion of consecutive levels of a modern language.

SPANISH 1 365102CW

This course is an introduction of Spanish as a modern language. Students are introduced to the sounds and structures of the language as well as the history, geography, products, practices and communities of Spanish-speaking cultures worldwide. The focus of the course is the student and the student's current frame of reference.

Prerequisite: None
Credit: 1 unit
Offered: Grades 10-12

SPANISH 2 **365202 CW**

This course continues the introduction of Spanish as a modern language. Students continue to analyze and experience the sounds and structures of the language. Students continue to explore the history, geography, products, practices, and communities of Spanish-speaking cultures. The focus of the course is the student and the student's past and present world.

Prerequisite: Spanish 1 with final grade of 77 or higher
Credit: 1 unit

SPANISH 3 **365304 CW**

This course builds upon knowledge gained in Spanish 1 and Spanish 2. This course is a continuation of Spanish 1 and Spanish 2, as well as an introduction to new vocabulary, structures and expressions. Students will be expected to expand their vocabulary.

Prerequisite: Spanish 2 with final grade of 70 or higher
Credit: 1 unit

HONORS SPANISH 3 **365304 HW**

This course expands the student's experience of the Spanish language. The focus of the course shifts to the student's future, hopes, opinions and goals. The analysis of Spanish-speaking cultures deepens to include politics and current world conditions. Literature and folklore specific to Spanish-speaking cultures help put the cultures' current status in perspective.

Prerequisites: Spanish 2; criteria established for the honors program
Credit: 1 unit - Honors

SPANISH 4 **365400 CW**

This course provides students the opportunity to further develop, improve, and refine their listening, speaking, reading and writing skills. Students continue to explore the history, geography, products, practices, and communities of Spanish-speaking cultures. The focus of the course is the student and the student's past and present world.

Prerequisite: Spanish 3 with final grade of 70 or higher
Credit: 1 unit

HONORS SPANISH 4 **365400HW**

This course focuses on the art and literature of the world's Spanish-speaking cultures and serves as a continuation of the studies begun in the first three levels. The offering of this course is contingent upon adequate student interest and feasibility of scheduling.

Prerequisites: Spanish 3; criteria established for the honors program
Credit: 1 unit - Honors

PHYSICAL EDUCATION

PHYSICAL EDUCATION 1 **344102CW**

This course is designed to provide students with the necessary skills to develop and improve personal fitness, lifetime fitness and wellness. The content of the course includes team sports, dual and individual activities. Physical Education 1 is required to earn a high school diploma. JROTC may be substituted for PE 1. The Comprehensive Health Education Act requires 750 minutes of reproductive health education which will be included in this course.

Prerequisite: None
Credit: 1 unit
Offered: Grades 9-12

TEAM SPORTS

344200CW (male) or 344323CH (female)
344200CW (male) or 344323 CW (female)
344201CH (NHS)

This course is designed for the student-athlete who has successfully completed the first two years of the fitness & conditioning curriculum. It is designed for student-athletes who have a serious commitment to continuing to develop their bodies and create a lifestyle that they want to live. This course includes highly advanced and specialized weight training. With the teacher's assistance, all students will design an individual program with their own goals in mind. The specialized sport programs can be implemented and designed for personal as well as athletic goals.

Prerequisite: PE 1
Credit: ½ or 1 unit
Offered: Grades 11-12

CONDITIONING AND WEIGHT TRAINING 1 **344232CH or 344232CW**

This course will provide students with the opportunity to improve and maintain their level of physical fitness.

Basic Conditioning – 1st semester
Designing Personal Fitness Program – 2nd semester

Prerequisite: PE 1
Credit: ½ or 1 unit
Offered: Grades 10-12

CONDITIONING AND WEIGHT TRAINING 2 344282CH or 344282CW

This course will provide upperclassmen with the opportunity to improve and maintain their level of physical fitness.

Basic Conditioning – 1st semester
Designing Personal Fitness Program – 2nd semester

Prerequisites: PE 1, Conditioning and Weight
Training 1
Credit: ½ or 1 unit
Offered: Grades 11-12

CONDITIONING AND WEIGHT TRAINING 3 344400CH or 344400CW

This course will provide seniors with the opportunity to improve and maintain their level of physical fitness.

Basic Conditioning – 1st semester
Designing Personal Fitness Program – 2nd semester

Prerequisites: PE 1 and Conditioning and Weight
Training 2
Credit: ½ or 1 unit
Offered: Grade 12

INDIVIDUAL AND TEAM SPORTS 344212CH

This course concentrates on individual and team sports activities. It provides students the opportunity to specialize in the activities of their interest.

Prerequisites: PE 1; teacher recommendation
Credit: ½ unit
Offered: Grades 10-12

FITNESS 1 344121CH

The course concentrates on achieving individual fitness. Students will participate in various forms of working out.

Credit: ½ unit
Offered: Grades 9-12

PHYSICAL EDUCATION 2 344215CH (MCHS)

This fitness and conditioning course will provide students with the opportunity to improve and maintain their level of physical fitness.

Prerequisite: PE 1
Credit: ½ unit
Offered: Grades 10-12

PERSONAL HEALTH AND WELLNESS 340200CW

This course is designed to provide students with the necessary skills to develop and improve personal fitness, lifetime fitness, and wellness. Students will work to improve and maintain their level of physical fitness by combining traditional and non-traditional methods.

Prerequisite: PE 1
Credit: ½ unit
Offered: Grades 10-12

SCIENCE

Science prepares students for life with a broad program of studies from which to select. Presently, three units of science are necessary for students to graduate. Students attending state colleges or universities must have two different lab science courses. According to state standards, students will use science and engineering practices to show knowledge and understanding.

ENVIRONMENTAL SCIENCE 326101CW

This course is designed to develop an appreciation and awareness of the world environment. The course focuses on plant and animal life and natural resources as well as the effects of man's interaction with all three. Special emphasis is placed on the way humans have affected the living and non-living environment and how future generations can adapt and conserve the environment.

Prerequisite: None
Credit: 1 unit
Offered: Grades 9-12

PHYSICAL SCIENCE 321102CW

Physical science, a laboratory-oriented course, provides a background of science for those students who plan to attend college or technical school. The content stressed includes the processes and activities of science and the concepts related to

matter and energy and their interaction in the physical and chemical world.

Prerequisite: Algebra 1 (or concurrent enrollment)
Credit: 1 unit
Offered: Grades 9-11

BIOLOGY 1 322102CW

This laboratory science course provides students with a basic knowledge of living organisms and the interaction of these organisms with the natural world. The South Carolina End-of-Course Exam is required and counts 20% of final grade.

Prerequisite: Algebra 1 or Foundations in Algebra
Credit: 1 unit
Offered: Grades 9-10

HONORS BIOLOGY 1 322104HW

This rigorous, faster-paced biology course covers the same topics as Biology 1, but in greater depth. The course is designed for the student with a strong background and keen interest in the sciences. The South Carolina End-of-Course Exam is required and counts 20% of final grade.

Prerequisite: Algebra 1; Criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 9-10

BIOLOGY 2 322200CW

Biology 2 is a second level biology course that allows students to study advanced topics in biology. It is a senior-level research course designed for the student who is looking for an overall knowledge of biology without specializing in any one aspect. The course will continue from where Biology 1 stopped. Although the course will give students knowledge of many different topics and not one specific concentration, topics will be taught in much more depth than in Biology 1.

Prerequisite: Biology 1
Credit: 1 unit
Offered: Grades 10 -11

HONORS BIOLOGY 2 322200HW

Honors Biology 2 is designed for students not planning to enter the medical or professional field. Honors Biology 2 is a senior-level research course designed for the student who is looking for an overall knowledge of biology without specializing in any one aspect. The course will continue from where Biology 1 stopped. Although the course will give students knowledge of many different topics and not one specific concentration, topics will be taught in much more depth than in Biology 1. The class will include student-directed research studies with a major research

project due each semester. Genetics will be a major focus in the course.

Prerequisites: Biology 1 or Honors Biology 1; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 11-12

AP BIOLOGY 327204AW

This is a rigorous, college-level course offered to prepare students for the AP Biology exam. Areas of study include biochemistry, cellular structure, function and energetic, heredity and molecular genetics, evolution and organism diversity, plant and animal structure and function and ecological relationships. In order to meet the challenge of the AP exam, students must enroll in the Biology Lab to provide sufficient time for problem solving and practice AP exams. Students enrolled in this course will take the AP exam administered in May. This course is offered every other year (alternates with AP Chemistry).

Prerequisite: Biology 1 or Honors Biology 1
Credit: 1 unit - AP
Offered: Grades 11-12

CHEMISTRY 323102CW

This laboratory science course is designed to establish chemical literacy and focuses on the composition, structure, and changes in matter. Emphasis is placed on the skills of formula writing, equation writing, mathematical problem solving and critical thinking, accompanied by the concepts of equilibrium and thermodynamics. This course is recommended for students preparing to attend college or planning on technical training.

Prerequisites: Algebra 2 (or concurrent enrollment), Biology 1
Credit: 1 unit
Offered: Grades 10-12

HONORS CHEMISTRY 323104HW

This rigorous course covers the same topics as chemistry, but in greater depth. The course demands a high level of abstract thinking, memorization, working with symbols, and application of problem solving. Student participation in laboratory activities is essential for success in this course.

Prerequisites: Algebra 2, Biology 1; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 10-12

AP CHEMISTRY 327300AW

This course is designed to be equivalent to college general chemistry. Topics include theoretical aspects of chemistry,

structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, electrochemistry, stoichiometry, and thermodynamics. A student taking AP Chemistry must be enrolled in chemistry lab as well. Students enrolled in this course will take the AP exam administered in May. This course is offered every other year (alternates with AP Biology).

Prerequisites: Honors Chemistry, Pre-Calculus (or concurrent enrollment)
Credit: 1 unit - AP
Offered: Grades 11-12

PHYSICS 324102CW (WCS)

This laboratory science course presents classical and modern topics in physics. Students analyze the law governing motion, energy, optics, electricity, and relativity. These mathematical relationships are the foundation of all modern technology, engineering, and electronics. Completion of (or concurrent enrollment in) pre-calculus is recommended.

Prerequisites: Algebra 1, Algebra 2, and Geometry
Credit: 1 unit
Offered: Grades 11-12 (alternate years)

HONORS PHYSICS 324100HW

Honors Physics places an emphasis on the dynamic understanding of the physical environment. Physics, the most fundamental of the natural sciences, is quantitative in nature and uses the language of mathematics to describe natural phenomena. This course is designed to prepare students for the demand of a two or four-year college degree program. The following topics are considered essential in a basic physics curriculum: mechanics, electricity and magnetism, waves, quantum physics, and nuclear physics. Laboratory, lecture and demonstrations about physical concepts as they specifically relate to understanding of complex physical interactions and mathematics will be used. The lab experience will provide opportunities to master concepts, use problem-solving skills, and to apply those skills to real-world situations. Investigative, hands-on lab activities that address the high school inquiry standards are an integral part of this course.

Prerequisites: Physical Science, Algebra 2, Pre-Calculus (or concurrent enrollment); criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 11-12

HUMAN ANATOMY/PHYSIOLOGY 326300CW

This laboratory science is intended for serious biology students who may be interested in a career in medicine or another health-related area. The course is designed to prepare students with the

basic skills necessary to be successful in future science classes. It includes the organization of the body to include cells, tissues, organs and systems.

Prerequisites: Biology 1
Credit: 1 unit
Offered: Grades 11-12

HONORS HUMAN ANATOMY/PHYSIOLOGY 326300HW

This laboratory science is intended for serious biology students who may be interested in a career in medicine or another health-related area. It includes the organization of the body to include cells, tissues, organs and systems.

Prerequisites: Biology 1; criteria established for the honors program
Credit: 1 unit - Honors
Offered: Grades 11-12

AP SCIENCE LAB 328900HW-Biology 328901HW-Chemistry

This honors-weighted course is the laboratory support class for AP Biology and AP Chemistry. Students enrolled in this course will take the AP exam administered in May.

Prerequisite: Concurrent enrollment in AP Biology or AP Chemistry
Credit: 1 unit - Honors
Offered: Grades 11-12

CURRENT ISSUES IN SCIENCE 329900CH

This semester course is designed to explore the ever-changing events in the world of science and technology. It will examine some of the latest research and discoveries made in the various fields of science. Activities will focus on literacy with news articles in alignment with the Common Core State Standards.

Prerequisite: None
Credit: ½ unit
Offered: Grades 9-12

BIOLOGICAL SCIENCE I 322800EW BIO 101 - Dual Credit

This course is the first of a sequence introducing biology. Topics include the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution and ecology.

Prerequisite: Biology 1
Credit: 1 unit - Dual Credit
4 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)

See Appendix A - Piedmont Technical College

BIOLOGICAL SCIENCE II

322900EW

BIO 102 - Dual Credit

This is a continuation of introductory biology that includes classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized.

Prerequisite: BIO 101
Credit: 1 unit - Dual Credit
4 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

Advanced Placement Environmental Science

(APES)

327700AW

Advanced Placement Environmental Science is a year-long course that is the equivalent of a one-semester introductory college level environmental science course. The course is designed to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate risks associated with these problems, and to examine Alternative solutions for resolving and/or preventing them. A variety of laboratories/fieldwork will allow students to learn methods for analyzing and interpreting mathematical calculations.

Prerequisite: Biology, Chemistry
Credit: 1 unit
Offered: Grades 11-12

SOCIAL STUDIES

Social studies provide a wide range of courses designed to meet not only the South Carolina State Department of Education requirements but also the needs and curiosities of the students.

WORLD GEOGRAPHY

331000CW

This course is a study of the physical and human characteristics of places. Emphasis will be placed on migration, settlement, culture, conflict, and geographic effects on economic

development. Students will analyze and evaluate the connection between their local and global communities. The course will emphasize the practical and responsible application of geography to life situations. Included will be the application of map skills as well as other data analysis.

Prerequisite: None
Credit: 1 unit
Offered: Grade 9

HISTORY OF THE MODERN WORLD

336002CW

This course is the study of world history from the Renaissance to the present. The course emphasis will be placed on the world rather than isolated nations and civilizations and will encourage the development of global citizenry by analyzing economic, political, social, and cultural trends in world history. Students will enhance their skills as historians by analyzing social studies resources from various periods and understanding cause and effect relationships.

Prerequisite: World Geography
Credit: 1 unit
Offered: Grade 10

UNITED STATES HISTORY

332002CW

This course is required for all students in Grade 11. The content focuses on the growth and development of the United States from colonization to the present. An emphasis will be placed on the Constitution. Students will enhance their skills as historians by analyzing social studies resources from various periods and understanding cause and effect relationships. The South Carolina End-of-Course Exam is required and counts 20% of final grade.

Prerequisites: World Geography, History of the Modern World
Credit: 1 unit
Offered: Grade 11

AP HUMAN GEOGRAPHY

337900AW

This course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. The content focuses on an in-depth study of population cultural patterns, political organization of space, agriculture and rural land use, cities and urban land use, and industrialization and globalization. Students taking this course will take the AP exam in May.

Prerequisites: English 1 Honors
Credit: 1 unit - AP
Offered: Grades 9-12

AP EUROPEAN HISTORY

337604AW

This course is a survey in European history including ancient, medieval and modern Europe with emphasis from 1450 to the present. Parallel reading and research are an integral part of this

course. Students enrolled in this course will take the AP exam administered in May.

Prerequisites: AP Human Geography
Credit: 1 unit - AP
Offered: Grades 10-12

AP UNITED STATES HISTORY 337204AW

This course is offered to those students who have demonstrated exceptional abilities in the areas of language and social studies. The content focuses on an in-depth study of American history with emphasis on critical thinking skills and research and reference skills. Students taking this course will take the AP exam in May. The South Carolina End-of-Course Exam is required and counts 20% of final grade.

Prerequisite: Completion of one honors or AP-level social studies course
Credit: 1 unit - AP
Offered: Grades 11-12

AMERICAN GOVERNMENT 333002CH

This semester course is required of all students in Grade 12. Content includes the origins and principles of American government, the structure and powers of the three branches of government, the lawmaking process, and an in-depth study of the US Constitution.

Prerequisite: US History
Credit: ½ unit
Offered: Grade 12

ECONOMICS 335002CH

This required social studies course focuses on the American free enterprise system and the American consumers' efforts in earning, spending, and managing money. The primary objective is to relate personal economic decision-making to the total economy.

Prerequisite: US History
Credit: ½ unit
Offered: Grade 12

HONORS ECONOMICS 335000HH

The purpose of this course is to provide a survey of economics, as it relates to the definition of economics and basic economic principles, microeconomic theory, macroeconomic theory and international economics. This course has a strong foundational concept in terms of written study assignments and classroom lesson material. The course has a strong focus on critical thinking skills and projects.

Prerequisite: US History; criteria established for the honors program
Credit: ½ unit - Honors
Offered: Grade 12

LAW EDUCATION 333602CW or 333600CH

This course is a study of the law as it relates to you, the student. Criminal Law examines the American Criminal Justice System. Emphasis is put on the causes and kinds of crimes and the role fear of crime plays in our society. Students will explore the law enforcement system, court system, and prison system. Civil law examines a range of legal areas that students will soon come to grips with in their roles as consumers, parties to contracts, drivers, renters of apartments, partners in marriage or divorce, and parents.

Prerequisite: None
Credit: ½ - 1 unit
Offered: Grades 10-12

HOLOCAUST AND INTOLERANCE STUDIES 339963CW (MCHS)

This course will explore the issues of intolerance and its relationship to the 20th century. The first half of this course studies the Holocaust beginning with the rise of anti-Semitism in the late 19th Century. The second half of the course will focus on race and immigration issues in the United States, a study of Apartheid in South Africa, and the use of genocide in Cambodia, the former Yugoslavia, and Rwanda. Emphasis will be placed on the use of analytical and interpretive skills in the study of these issues.

Prerequisites: World Geography, History of the Modern World
Credit: 1 unit
Offered: Grades 10-12

CURRENT EVENTS 333700CH

This course is designed to enable students to become more knowledgeable about matters discussed and debated by US policymakers. Emphasis is placed on the use of analytical and interpretive skills as students explore domestic and foreign policy issues and research background information (arguments both pro and con). The objective of this course is to produce civic participation based on informed perspectives.

Prerequisite: None
Credit: ½ - 1 unit
Offered: Grades 9-12

PSYCHOLOGY 334000CW

Course content focuses on self-understanding and self-improvement, as well as attitudes that affect behavior, the

historical development of psychology, and the basic scientific methods of inquiry.

Prerequisites: World Geography, History of the Modern World
Credit: 1 unit
Offered: Grades 11-12

SOCIOLOGY

334502CW or 334502CH

This course is designed for students in Grades 11 and 12. Content focuses on the various elements of culture: beliefs, values, traits and norms. Emphasis is also placed on the influences that people have on social situations and recognizing problems caused by social and economic status and social and ethnic groups in rural and urban areas.

Prerequisite: World Geography
Credit: ½ or 1 unit
Offered: Grades 10-12

TOPICS IN US HISTORY SINCE

WORLD WAR II

339902CW

This course will offer an in-depth analysis of the United States domestic, foreign and cultural policy from 1945 to present times. A variety of resources will be utilized.

Prerequisites: History of the Modern World, US History
Credit: 1 unit
Offered: Grades 11-12

MICROECONOMICS

335800EW

ECO 211 - Dual Credit

This course includes the study of the behavior of households and firms, including supply and demand, elasticity, price/input, in different market structures, pricing of resources, regulations, and comparative advantage and trade.

Prerequisites: US History; counselor recommendation
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

GENERAL PSYCHOLOGY

334200EW

PSY 201 - Dual Credit

This course includes the following topics: an introduction to the basic theories and concepts in the science of behavior, biological basis for behavior, scientific method, perception, motivation, learning memory, development, personality, and abnormal behavior.

Prerequisite: Counselor recommendation

Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

HUMAN GROWTH & DEVELOPMENT

334300EW

PSY 203 - Dual Credit

This course includes the following topics: This course is a chronological study of the physical, cognitive and emotional factors affecting human growth, development and potential.

Prerequisite: PSY 201
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

AMERICAN GOVERNMENT

333100EW

PSC 201 - Dual Credit

This course is a study of national governmental institutions with emphasis on the Constitution, the functions of executive, legislative and judicial branches, civil liberties and the role of the electorate. The following will be learned: how the American democracy was formed, the Constitutional framework, the role of politics, voting behavior, the institutions of government, the struggle for equal rights, civil liberties and citizenship.

Prerequisite: US History
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

WESTERN CIVILIZATION TO 1689

336600EW

HIS 101 - Dual Credit

This course is a survey of Western civilization from ancient times to 1689, including the major political, social, economic and intellectual factors shaping Western cultural tradition.

Prerequisite: World Geography, History of the Modern World, US History
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

WESTERN CIVILIZATION POST 1689

336700EW

HIS 102 - Dual Credit

This course is a survey of Western civilization from 1689 to the present, including major political, social, economic and intellectual factors that shape the modern Western world.

Prerequisite: HIS 101
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical College

ELECTIVES

DRIVER EDUCATION 370102CH

This course helps students develop the knowledge, skills, and attitudes necessary for the safe, competent, and efficient movement of people and goods in traffic. It consists of a minimum of six hours of supervised driving and thirty hours in the classroom. Students must already have their beginner's permit.

Credit: ½ unit
Offered: Grades 10-12
Fee: \$150.00 (non-refundable)

LEADERSHIP 379926CH or 379926CW

This class is designed for students who are involved in student government. Students receive instruction in planning and evaluating activities, working with others, and assisting faculty and staff. Students will learn the skills needed to become effective leaders.

Prerequisite: SGA officer or cabinet member
Credit: ½ - 1 unit
Offered: Grades 9-12

TEACHER CADET 373500EW Dual Credit

This course is sponsored by the South Carolina Center for Teacher Recruitment. It is a program designed to promote bright young students to the teaching profession. The three main components are: the learner, the teacher and teaching, and the school. All students are required to observe and participate in classrooms at the primary, elementary, middle and secondary levels.

Prerequisite: Rising seniors with a 3.0 GPA
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grade 12

FRESHMAN FOCUS 379960CH or 379960CW

This course is designed to empower freshman students to become more effective in school and in their personal lives as they master the skills it takes to become successful high school students. The course consists of a series of character lessons and the incorporation and completion of "The 7 Habits of Highly Effective Teens" program.

Prerequisite: None
Credit: ½ - 1 unit
Offered: Grade 9

ENGLISH AS SECOND LANGUAGE 1 308401CH OR 308401CW

This course is designed for students whose native language is not English. Students will work with vocabulary, computer software, and literature to develop skills that will enable success in the regular classroom setting and develop English proficiency.

Prerequisite: Selection based on ELDA scores
Credit: ½ - 1 unit
Offered: Grades 9-12

ENGLISH AS SECOND LANGUAGE 2 408000CH or 408000CW

ENGLISH AS SECOND LANGUAGE 3 408100CH OR 408100CW

ENGLISH AS SECOND LANGUAGE 4 408200CH OR 408200CW

INTEGRATED BUSINESS APPLICATIONS 1 502000CW

This course is designed to teach students software applications that are necessary to live and work in a technological society. The applications covered include word processing, database, spreadsheet and presentation. Other content areas may include computer hardware, terminology and concepts.

Credit: 1 unit
Offered: Grades 9-12

INTRODUCTION TO COMPUTERS 470500EW CPT 101 - Dual Credit

This course covers basic computer history, theory and allocations, including word processing, spreadsheets, databases, and the operating system.

Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition, a college text must be purchased
See Appendix A - Piedmont Technical
College Section. (Lottery tuition assistance
may apply.)

DIGITAL DESKTOP PUBLISHING **517600CW**

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

Prerequisites: Integrated Business Applications 1
Credit: 1 unit
Offered: Grades 10-12

PERSONAL FINANCE **513101CH**

Personal Finance is a semester course designed to cover the basic principles needed for effective personal finance management including financial decision making through the creation of a financial plan and budget, career and income decisions, taxes, risk management, the proper use of credit, banking procedures and services, and the importance of saving, investing, and planning for the future. At the completion of the course, students should be able to understand how to effectively manage their own personal finances. Students will learn to manage their resources and to make sound personal financial decisions that will enable them to make effective use of income and achieve personal financial success.

Prerequisite: None
Credit: ½ unit
Offered: Grades 10-12

BROADCAST JOURNALISM **309937CW**

This course is designed for students to learn the facets of broadcast journalism, including laws, interviewing and reporting techniques, journalistic writing, technology usage skills, proper citation of research and information, and cooperative learning skills through daily project-based learning. Students create daily announcements and a weekly news program for the school and learn how to present news in an online format.

Prerequisite: None
Credit: 1 unit
Offered: Grades 10-12

SPEECH **304000CH**

Speech is a semester course designed to teach students the art of planning and delivering quality speeches, as well as the practical approach to other forms of public speaking. Students engage in various real-world situations which afford them the opportunity to apply the key practices taught throughout the course. The primary goal of public speaking is that students exit the course with confidence, poise, and a sound understanding of the art of oration.

Prerequisite: English 1
Credit: ½ unit
Offered: Grades 10-12

PUBLIC SPEAKING **304500EW** **SPC 205 - Dual Credit**

This course is an introduction to principles of public speaking with application of speaking skills.

Prerequisite: ENG 101
Credit: 1 unit - Dual Credit
3 hours college credit
Offered: Grades 11-12
Fees: Tuition; cost of college textbook(s)
See Appendix A - Piedmont Technical
College

THEATRE 1

452102CH or 452102CW

This course is designed to give students an introduction and overview of the art of drama. Students will learn about drama theory, history, play analysis and production. They will also develop skills in oral interpretation, speech presentation, improve and acting. Student participation/classroom performance is a major portion of the course grade.

Prerequisite: None
Credit: ½ or 1 unit
Offered: Grades 10-12

LEARNING STRATEGIES 1 **390R01CW**

This course is designed for students with disabilities whose individualized education programs specify the need for tutorial support services.

Prerequisite: Based upon IEP team placement
Credit: 1 unit elective credit
Offered: Grades 9-12

LEARNING STRATEGIES 2 **390R02CW**

LEARNING STRATEGIES 3 **390R03CW**

LEARNING STRATEGIES 4 390R04CW

SERVICE LEARNING 379920CH

Service Learning is a course designed to encourage student participation in community projects. Students hone skills related to character, service, citizenship and responsibility. Students are directly involved in identifying community needs and in selecting local agencies which address those needs. A minimum of 55 hours per semester must be spent in class and/or in volunteer time outside of the traditional classroom. Admissions to the class will be based on an overall average of C or above, absence of disciplinary referrals, and a good attendance record. Prior to being accepted into the class, participants must be interviewed by the instructor. Participants will contract for a grade based on set criteria. Service learning assignments should take place off campus.

Prerequisite: Meet admission criteria, including a successful interview
Credit: ½ unit
Offered: Grades 11-12

SERVICE LEARNING 2 379928CH

INTERNSHIP

Prerequisite: NCCC recommendation
Credit: 1 unit
Offered: NCCC Completers

The internship must be related to a content-specific CATE course. Students must have completed at least two units in a state recognized CATE program and be enrolled in the subsequent course to be eligible for participation.

Internship Areas

Agriculture, Food, and Natural Resources, work-based credit 569000CW

Architecture and Construction, work-based credit 669000CW

Arts, Audio-Video Technology, and Communications, work-based credit 529000CW

Business, Management, and Administration, work-based credit 549000CW

Education and Training, work-based credit 639000CW

Health Science

- Health Science, work-based credit 559000CW
- Sports Medicine, work-based credit 559100CW

Human Services

- Family and Consumer Sciences, work-based credit 589000CW
- Human Services, work-based credit 579000CW

Information Technology, work-based credit 539000CW

Law, Public Safety, Corrections, and Security, work-based credit 659000CW

Manufacturing, work-based credit 649000CW

Marketing, Sales, and Service, work-based credit 509100CW

Science, Technology, Engineering, and Mathematics

- Pre-Engineering/Industrial Technology Education, work-based credit 609000CW

Transportation, Distribution, and Logistics, work-based credit 679000CW

NEWBERRY COUNTY CAREER CENTER

POLICY STATEMENT

Technology courses prepare students for full-time employment in their chosen field upon high school graduation or for further training at a two or four-year college. Many of our programs offer skills which prepare the students to participate in a rigid certification test which will guarantee higher wages on the job or advanced placement in college. Technology courses are standards-based; therefore, students are required to strive for maximum competencies in order to receive credit for the course. Students are able to acquire skills that can lead to part-time employment during their college careers. Not only will the students work toward the attainment of marketable job skills, but other factors necessary for successful employment will be included, i.e. proper work ethics, interpersonal skills, team work, and communication skills.

MISSION OF THE NEWBERRY COUNTY CAREER CENTER

The mission of the Newberry County Career Center (NCCC), in partnership with students, families, businesses, communities, and post-secondary educational institutions, is to assist in the development of responsible and productive life-long learners by providing specialized skills, hands-on training, and appropriate workplace ethics in a comfortable and safe environment necessary to be successful in the global economy of the 21st century.

COURSE CANCELLATIONS

Students are advised that second and third year courses at NCCC are offered on a year-to-year basis and may be dropped if sufficient enrollment is not reached.

DUAL CREDIT

Opportunities to receive post-secondary credits at NCCC may be available based upon enrollment in the following courses: auto technology and mechatronics.

CERTIFICATION OPPORTUNITIES

CNA (Certified Nursing Assistant)
CPR Certification (American Heart Association)
Firefighter 1 & 2 Certification (SC Fire Academy)
IFSAC (International Fire Service Accreditation Congress)
Licensed Cosmetologist

WORK-BASED LEARNING OPPORTUNITES

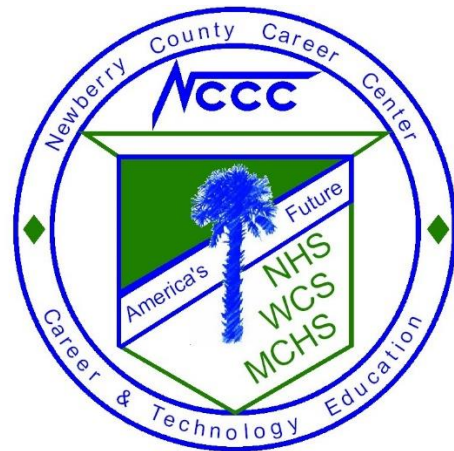
Work-based learning opportunities are included in each program of study. In addition to acquiring a broad base of academic education, all students should be prepared with the skills

necessary to gain employment when they leave the educational system. Listed below are some of the options.

- **Internships:** A student works (paid or unpaid) in his/her career area of interest in a one-to-one relationship to provide hands-on learning.
- **Service Learning:** A student works (unpaid) for a community agency or project to complete specific goals and activities.
- **Job Shadowing:** A student is involved in a short-term participatory experience that introduces him/her to a particular job/career. The student spends several hours to a full workday with an employee in a business or industry to observe and ask questions about the workplace.

Work-Based Credit

This approved on-the-job training provides hands-on learning in an area of student interest. The student is required to work 120 hours under the supervision of a mentor for one unit of credit. A contract is developed that outlines the expectations and responsibilities of all parties. The student must be in the eleventh grade and at least 16 years of age. Students should apply to the work-based learning coordinator for entry into this program.





Career and Technology Education

CATE Clusters with Majors



The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.



Careers in designing, planning, managing, building and maintaining the built environment.



Business management and administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business management and administration career opportunities are available in every sector of the economy.



Planning, services for financial and investment planning, banking, insurance, and business financial management.



Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.



Preparing individuals for employment in career pathways that relate to families and human needs.



Building linkages in IT occupations framework: for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.



Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.



Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.



Planning, managing, and performing marketing activities to reach organizational objectives.



Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services and research and development services.



Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

ARCHITECTURE AND CONSTRUCTION

CARPENTRY 1 & 2

1st sem. 609100CW; 2nd sem. 609200CW

This course will offer students a well-rounded and broad background in the field of carpentry and general woodworking. Students study applied math, types of building materials, sketching, blueprint reading and receive hands-on experience while working with hand and power tools.

Credit: 2 units

Offered: Grades 10-11

Fees: \$20.00

CARPENTRY 3 & 4

1st sem. 609300CW; 2nd sem. 609400CW

Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.

Prerequisite: Carpentry 1 & 2

Credit: 2 units

Offered: Grades 11 -12

Fees: \$30.00

In the event that more students register for a Level 2 program than can be accommodated, a rubric from Level 1 will be used to determine which students qualify for Level 2.

ARCHITECTURE AND ENGINEERING

Mechanical Design Level 1 (formerly CADD 1) 617200CW

This course a pre-engineering experience for those who are interested in pursuing Mechanical Engineering or related career as a career major. Instruction includes basic computer applications, drafting principles such as sketching, drafting tools, and geometric constructions in addition to the application of the CAD software. Students will develop skills in Dimensioning, Orthographic Projection, Sectional Views, and Pictorial Drawing to create precise and accurate drawings based

on industry standards. In addition, students will learn about technical sketching, traditional drafting tools, blueprint reading, as well as an in-depth understanding and application of CAD software.

Prerequisite: Algebra 1 & Geometry or currently enrolled in Geometry.

Credit: 1 unit

Offered: Priority-Grade 10 & 11, (Grade 12 if seats available), NCCC

Fees: \$10.00 per semester

Architectural Design Level 1 (formerly CADD 1) 61700CW

This course introduces students to the basic drawing and design skills necessary for a career in the field of Architectural Engineering graphics. Instruction will include creation of a basic set of Architectural Plans consisting of a Floor Plan, Elevations, a Site Plan, and a Typical Wall Section. Students will also develop CADD skills in creating and inserting blocks, space planning, construction techniques and estimating as well as plotting and blueprint reading. Students will sketch, develop, and plot a set of blueprints of their own design using a set of criteria determined by the instructor. Upon the completion of this course, students will be prepared for the advanced senior project required for completion of Architectural Design – Level 2

Prerequisite: Algebra 1 & Geometry or currently enrolled in Geometry.

Credit: 1 units

Offered: Priority-Grade 10 & 11, (Grade 12 if seats available), NCCC

Fees: \$10.00 per semester

Note that both of these courses are required to be accepted into the 2nd year of the program.

Mechanical Design Level 2 Honors (formerly CADD 2-Honors) 617300HW

This course is an advanced course in Engineering Graphics and Manufacturing techniques. Students will develop CAD skills in creating Isometric & Oblique drawings, Sectional views, Auxiliary views, Assembly drawings, and 3D Solid Modeling. Students will design and create their own 3D Model, within certain specifications, and plot their project on the 3D Rapid Prototype printer. Students will review and apply standard Dimensioning techniques, Geometric Tolerancing, as well manufacturing processes such as Welding, Casting, and Injection Molding. In addition, students may choose to become certified technicians in Technical design from the American Design and Drafting Association prior to graduation by successfully completing the Apprentice Certification exam. Students also have the opportunity to apply for Technical

Advanced Placement (TAP) credit for EGT 151 from Piedmont Technical College upon completion of this course.

Prerequisite: Mechanical & Architectural Design Level-1
Credit: 1 unit
Offered: Priority-Grade 11 & 12 NCCC
Fees: \$10.00 per semester
ADDA Exam Fee: Technical (January) (\$75.00)

Architectural Design Level 2 Honors (formerly CADD 2-Honors) 617100HW

This course is an advanced course in Architectural Design & Drafting. Students will master CADD skills in creating the four basic drawings as developed in Level-1. In addition, students will also develop skills in creating Electrical plans, Foundation plans, Roof plans, as well as Window & Door Schedules. Students will develop Sectional views of the foundation and eave design. Students will also explore the field of Building Information Modeling (BIM). This rapidly expanding field uses advanced 3D-Modeling software to develop a set of construction drawings & documents. Students are required to design and develop a complete set of Working drawings per industry standards for a theoretical sub-division. Students must also develop marketing brochures and presentations to market their ideas to a potential client.

Prerequisite: Mechanical & Architectural Design Level-1
Credit: 1 unit
Offered: Priority-Grade 11 & 12 NCCC
Fees: \$10.00
ADDA Exam Fee: Architectural (January) (\$75.00)

Upon completion of all 4 courses students will earn a SC Completer's Certificate in Architecture & Mechanical Design and will be well prepared to continue their education in engineering graphics beyond high school.

AGRICULTURE, FOOD, AND NATURAL RESOURCES

AGRICULTURE SCIENCE AND TECHNOLOGY FOR THE WORKPLACE 1 56200CD

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 and safety, and agriculture mechanical technology are included as a part of

the instructional program. Each student is expected to design and participate in a supervised agricultural experience.

Prerequisite: None
Credit: 2 units
Offered: Grade 10-12
Fee: \$30.00

AGRICULTURE MECHANICS AND TECHNOLOGY FOR THE WORKPLACE 1 560400CD

This course is designed as an introductory course to the Agriculture Mechanics Career pathway. In addition it provides development of general mechanical skills which are required in all areas of agriculture education. Typical instructional activities include hands-on experiences in woodworking, metal working, welding, small engine repair, basic farm and homestead improvements, participating in personal and community leadership development activities, planning and implementing a relevant school-to-work transition experience, and participating in FFA activities.

Prerequisite: Agriculture Science and Technology for the Workplace I
Credit: 2 units
Offered: Grade 11-12
Fee: \$30.00

AGRICULTURE, FOOD, AND NATURAL RESOURCE WORK-BASED LEARNING 569000CW

The course is designed for senior level completer students. The students will complete a yearlong internship in Newberry County that pertains to a career in agriculture. The students will report to the job site daily and develop key essential skills to prepare them for the workforce. Students will also take "field experiences" throughout the year to explore the agriculture opportunities that Newberry County has to offer. Typical job sites include veterinary offices, production farms, pet grooming, agriculture offices (Extension, USDA, Soil and Water Conservation), and agriculture sales.

Prerequisite: Completer of Agriculture Program
Credit: 1 or 2 units
Offered: Grade 12
Fee: \$30.00

AGRIBUSINESS AND MARKETING 56000CW 1st semester AGRICULTURE CROP PRODUCTION AND MANAGEMENT 561400CW 2nd semester

These courses must be taken in a two-semester sequence. The Agricultural Business Management course is designed for the student who plans to seek employment on, manage, or own a farm; or seek employment in an agribusiness field. Students will be involved in learning activities that generally prepare

him/her to apply the economic and business principles involved in the organization, operation, and management of the farm, ranch, or agribusiness. The Agricultural Crop Production and Management course prepares students to operate enterprises producing cereal grain, fiber, forage, oilseed, tree fruits and nuts, small fruits, vegetables and other plant products and includes instruction in soils, plant physiology, crop cultivation practices, plant diseases, pest management, harvesting and marketing.

Typical instructional activities include hands-on experiences with applying modern economic and business principles involved in the organization, operation, and management of agricultural businesses including the production and marketing of agricultural products and services; applying computer application models; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Prerequisite: Agriculture Science and Technology for the Workplace 1

Credit: 2 units

Offered: Grades 11-12

Fee: \$30

HORTICULTURE FOR THE WORKPLACE 1 565200CD

The courses in Introduction to Horticulture include 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. Typical instructional activities include hands-on experience with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques, designing landscapes, preparing designs, sales analysis and management, participating in personal and community leadership development activities, planning and implementing a relevant school-to-work transition experience and participating in FFA activities.

Prerequisite: Agriculture Science and Technology for the Workplace 1

Credit: 2 units

Offered: Grades 11-12

Fee: \$30

WILDLIFE MANAGEMENT 567400CW 1st semester ENVIRONMENTAL AND NATURAL RESOURCE MANAGEMENT 562600CW 2nd semester

These courses must be taken in a two-semester sequence. The Wildlife course is designed to teach technical knowledge and skills for entry-level positions in the production, protection, and management of timber and specialty forest resources. The Environmental and Natural Resource Management course is a

combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Typical instructional activities include hands-on experience with analyzing problems and developing site plans including essential elements, concepts, identifying and/or measuring the levels of air, water, noise, and solid waste pollution in a selected site, and skills related to wildlife management and forestry for economical and recreational purposes: participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience and participate in FFA activities.

Prerequisite: Agriculture Science and Technology for the Workplace 1

Credit: 2 units

Offered: Grades 11-12

Fee: \$30

ANIMAL SCIENCE 5603 1ST semester INTRODUCTION TO VETERINARY SCIENCE 5613 2ND semester

These courses must be taken in a two-semester sequence. The Animal Science course is designed to provide an overview of the animal science industry. It provides information on the biological make-up of various species of agricultural livestock. It also provides students with information on animal behavior that would be beneficial before embarking on a career in Animal Science. In the Introduction to Veterinary Science course students will explore the field of veterinary medicine. Students will study the role of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. Topics to be discussed include: veterinary terminology, anatomy and physiology, pathology, genetics, handling and restraint, and physical examinations along with common surgical skills. Students will engage in a variety of laboratory activities and will participate in shadowing and/or other school-to-work experiences. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

Prerequisite: Agriculture Science and Technology for the Workplace 1

Credit: 2 units

Offered: Grades 11-12

Fee: \$30

BUSINESS MANAGEMENT AND ADMINISTRATION

ACCOUNTING 1

500102CW

The student will learn various office systems for both manual and computer recording and posting of business transactions to accounts in journals and ledgers, preparing financial statements and analyzing financial data.

Prerequisite: Algebra 1

Credit: 1 unit

Offered: Grades 10-12

Fees: \$30.00

ENTREPRENEURSHIP

540002CW

This course is designed to provide a general overview of the American enterprise system with special emphasis being placed on small business ownership. An important part of the course will be development of business and managerial leadership skills as they relate to the functions of planning, organizing, staffing, directing, and controlling a small business. The student will develop a business plan for an entrepreneurial endeavor.

Prerequisite: None

Credit: 1 unit

Offerings: Grades 10-12

Fees: \$20.00

BUSINESS PRINCIPLES AND MANAGEMENT (New Offering)

509200CW

The Business Principles and Management course will help students develop a foundation in the many activities, problems, and decisions that are intrinsic to the management of a successful business, as well as an appreciation for the importance of these responsibilities. Areas to be examined include business organization, ethical and legal responsibilities, communication, decision-making, personnel, safety, professional development and related careers. By gaining an understanding of these areas, students will be better prepared to enhance the business decisions of tomorrow.

Prerequisite: Integrated Business Applications 1 (IBA 1)

Grade Level: 10-12

Credits: 1 unit

Fees: \$20.00

INTEGRATED BUSINESS APPLICATIONS 2

502100CW

This course of study is designed to teach the student advanced computer concepts as related to processing data into useful information needed in business situations by using advanced

database, spreadsheet, word processing, and presentation software capabilities.

Prerequisite: Integrated Business Applications 1

Credit: 1 unit

Offered: Grades 11-12

Fees: \$20.00

INFORMATION TECHNOLOGY

COMPUTER PROGRAMMING 1 (New Offering)

505000CW

Computer Programming 1 is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages

Grade Level: 9-12

Credits: 1 unit

Prerequisite: Any related course, Algebra 1 (or equivalent), and/or instructor recommendation

COMPUTER PROGRAMMING 2 (New Offering)

505100CW

Computer Programming 2 is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming, using modern, object-oriented languages.

Grade Level: 10-12

Credits: 1 unit

Prerequisite: Computer Programming 1

DIGITAL DESKTOP PUBLISHING

517622CW

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

Prerequisite: Computer Applications or Integrated Business Applications 1

Credit: 1 unit

Offered: Grades 10-12

Fees: \$20.00

DIGITAL TECHNOLOGIES (New Offering)

518000CW

Digital Input Technologies introduces students to new and emerging technologies that are impacting the way we utilize information when accessing computers and other technology devices. Students will be introduced to speech recognition

software, mobile application, and online collaboration tools. Tablets, iPads, and Smart Phones will be introduced as tools for personal and business applications.

Prerequisite: None
Grade Level: 9-12
Credits: 1 unit
Fee: \$20.00

FUNDAMENTALS OF WEB PAGE DESIGN & DEVELOPMENT

503116CW

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

Prerequisite: Computer Applications or Integrated Business Applications 1

Credit: 1 unit
Offered: Grades 10-12
Fees: \$20.00

ADVANCED WEB PAGE DESIGN & DEVELOPMENT

503316CW

This course is designed to provide the student with the knowledge and skills needed to design Web pages. Students will develop skills in designing, implementing, and maintaining a Website using authoring tools. Web pages created by students in this course are not to be published without following strict guidelines.

Prerequisite: Web Page Design and Development 1
Credit: 1 unit
Offered: Grades 11-12
Fees: \$20.00

DIGITAL MULTIMEDIA

503000CW

This course covers multimedia concepts and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development, and creation of multimedia presentations and publications within an interactive environment. Students will create a digital portfolio and other independent projects.

Prerequisite: Integrated Business Applications 1
Credit: 1 unit
Offered: Grades 10-12
Fees: \$20.00

IMAGE EDITING 1

534000CW

This course is designed to provide the student with the knowledge and skills needed to utilize digital imaging software in editing and designing images and graphics. Students also learn the use of technologies related to digital imaging such as: basic computer operations; file sharing across networks; digital

scanning; digital photography; preparing documents for output to various types of media.

Prerequisite: Integrated Business Applications 1
Credit: 1 unit
Offered: Grades 10-12
Fees: \$20.00

FOUNDATIONS OF ANIMATION

535000CW

Foundations of Animation teaches students how to model, animate and render with a focus on establishing a working knowledge of animation tools and techniques. The course builds a foundation for developing 3-D computer graphic, animation, modeling, deformations and character animation. Students create and modify movies using objects, graphics, sound, animation, and special effects.

Prerequisite: Integrated Business Applications 1
Credit: 1 unit
Offered: Grades 10-12
Fees: \$20.00

GAME DESIGN AND DEVELOPMENT

535200CW

Game Design and Development covers major aspects of game design including character and world development, game playing, game genres, and theories and principles of game design. Students will gain hands-on experience in simple game development. Concepts and practices will be explored to help students decide if they are interested in pursuing careers in game programming.

Prerequisites: Passing grade in geometry or permission from instructor
Credit: 1 unit
Offered: Grades 11-12
Fees: \$20.00

MARKETING

ADVERTISING

547000CW

This course is designed to introduce the concepts of advertising, planning strategies, communication skills, and professional development. Course content includes budget development, media selection, design, and the preparation of ads for various media.

Prerequisite: None
Credit: 1 unit
Offered: Grades 10-12
Fees: \$20.00

MARKETING

542100CW

This course introduces marketing concepts and examines the economic, marketing, and business fundamentals, in addition to the marketing functions of selling, promotion, and distribution. The standards listed are core standards and reflect the needs of the local business community. This is the basic course in the marketing curriculum and should be taken before the specialized courses.

Prerequisite: None

Credit: 1 unit

Offered: Grades 10-12

Fees: \$20.00

SPORTS ENTERTAINMENT AND MARKETING 542500CW

This course is for students who wish to pursue careers in the various areas of the sports and entertainment industry. This includes careers in box office management and sales, group sales, public sales, marketing, operations, development and sports programming.

Prerequisite: None

Credit: 1 unit

Offered: Grades 10-12

Fees: \$20.00

HEALTH SCIENCE

HEALTH SCIENCE 1 555000CW

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 HIPAA. 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.

Prerequisites: Grade of 80 or higher in Biology 1 and Algebra 1

Credit: 1 unit – 1 semester (double block)

Offered: Grade 11

Fees: \$60.00 – includes workbook

HEALTH SCIENCE 2 555100CW

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, HIPAA, 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 are incorporated throughout the lessons being taught. Students will be certified in AHA HeartSaver 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.

Prerequisite: Grade of 80 or higher in Health Science 1 or instructor recommendation

Credit: 1 unit – 1 semester (double block)

Offered: Grade 11

Fees: \$10.00 for CPR card

HEALTH SCIENCE 3 (Anatomy and Physiology) 555200CW

Health Science 3 focuses on the human body. Students will gain knowledge of all human body systems and how they work. This course will emphasize the study of disease, prevention, and treatment (Pathophysiology). Students will participate in teamwork activities for assigned projects. Medical terminology is incorporated throughout the course. Skills learned in HS 2 will be reinforced as each body system is studied. **THIS COURSE DOES NOT COUNT AS A LAB SCIENCE.**

Prerequisites: Health Science 1 & 2

Credit: 1 unit – 1 semester

Offered: Grade 10-12

Fees: \$50.00 – includes workbook

MEDICAL TERMINOLOGY 554016CW

This course is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis and treatment, clinical procedures, and pharmacology. Students will use

problem solving techniques to assist in developing an understanding of course concepts.

Prerequisites: Anatomy & Physiology (suggested); English 2; Health Science 1 & 2

Credit: 1 unit – 1 semester

Offered: Grades 11-12

Fees: \$50.00 – includes workbook

HEALTH SCIENCE CLINICAL STUDY CERTIFIED NURSE AIDE (CNA)

556016CD

Health science clinical study is designed to give students a clinical experience. Students will study information on the aging process, the physical and psychosocial care needs of the geriatric client, and the role of the nurse aide. Students are prepared to perform nursing-related services for patients and residents in hospitals and long term care facilities under the direction and supervision of a Registered Nurse instructor. To assure students' eligibility for the South Carolina Department of Health and Human Services Nurse Aide Certification, both school-based and long term care facility training must be provided.

Prerequisites: Health Science 1 & 2 plus CPR and First Aid certification; Health Science 3* (Anatomy & Physiology) or concurrently enrolled

Credit: 2 units - 2 semesters (double block)

Offered: Grade 12

Fees: \$136.00 total (includes SC State Nurse Aid Certification); students must purchase their own uniforms for clinical.

*HS 3 may be substituted with Medical Terminology, AP Biology, PLTW Human Body Systems or Biomedical Science, or science department Anatomy and Physiology).

Students must complete the application process and be accepted to the program at the end of the year following HS 1 and HS 2. Students must obtain a negative PPD Tuberculin Skin Test and/or Chest X-ray and urine drug screen prior to clinical rotation in the nursing home. A clear background check is also required.

HEALTH SCIENCE CLINICAL STUDY INTERNSHIP

556026CD

Health Science Clinical Study is designed to give students an individualized work-based clinical experience. Students will have classroom time to review the necessary skill and qualities needed to complete rotating internships that require travel to worksites. CPR and FA updates will be provided prior to student placement in a healthcare facility.

Prerequisites: Health Science 1 & 2 plus CPR and First Aid certification; Health Science 3* (Anatomy & Physiology) or concurrently enrolled

Credit: 2 units - 2 semesters (double block)

Offered: Grade 12

Fees: \$30.00; students must purchase their own uniforms for internships (if required by the facility).

Other: Some facilities may require a negative PPD skin test prior to internship.

Students must complete the application process and be accepted to the program at the end of the year following HS 1 and HS 2. *HS 3 may be substituted with Medical Terminology, AP Biology, PLTW Human Body Systems or Biomedical Science, or science department Anatomy and Physiology).

In the event that more students apply for a clinical study program than can be accommodated, a rubric from HS 2 will be used to determine which students qualify.

PHARMACOLOGY FOR MEDICAL CAREERS 557000CD

American Council for Pharmacy Education accredits the program through the Texas Pharmacy Association Pharmacology for Medical Careers/Pharmacy Technology is designed to prepare students for pharmacy technician and other health science careers plus provide an opportunity for national credentials. The program provides online applications offering easy-to-follow audio, video, and graphic presentations taught with the assistance of the instructor. At the end of this program a student may sit for the national exam to become a certified pharmacy technician. Students who satisfactorily complete the course during first semester will participate in work-based learning at a local pharmacy during second semester.

Prerequisites: Health Science 1 & 2 plus CPR and First Aid certification; Health Science 3* (Anatomy & Physiology) or concurrently enrolled or instructor recommendation

Credit: 2 units - 2 semesters (double block)

Offered: Grade 12

Fees: \$300.00

Note: Students in this course must have Internet access outside of class.

Students must complete the application process and be accepted to the program at the end of the year following HS 1 and HS 2. *HS 3 may be substituted with Medical Terminology, AP Biology, PLTW Human Body Systems or Biomedical Science, or science department Anatomy and Physiology).

PROJECT LEAD THE WAY (PLTW) BIOMEDICAL SCIENCE PROGRAM

The rigorous and relevant four-course PLTW biomedical science sequence allows students to investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health. Students engage in activities like investigating the death of a fictional person to learn content in the context of real-world cases. They examine the structures and interactions of human body systems and explore the prevention, diagnosis, and treatment of disease, all while working collaboratively to understand and design solutions to the most pressing health challenges of today and the future. Each course in the Biomedical Science sequence builds on the skills and knowledge students gain in the preceding courses.

PRINCIPLES OF BIOMEDICAL SCIENCE

558000CW

In Principles of Biomedical Science (PBS), students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Prerequisites: Biology 1 or concurrent enrollment, Algebra 1 or concurrent enrollment (priority given to students who completed Gateway to Technology in middle school)

Credit: 1 unit

Offered: Grades 9-11

Fees: \$20.00

HUMAN BODY SYSTEMS

558100CW

In Human Body Systems (HBS), students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

Prerequisite: Grade of 80 in PBS

Credit: 1 unit

Offered: Grades 10-12

Fees: \$20.00

MEDICAL INTERVENTIONS

558200HW

In Medical Interventions (MI), students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Prerequisite: Grade of 80 in PBS and HBS

Credit: 1 unit - Honors

Offered: Grades 10-12

Fees: \$20.00

BIOMEDICAL INNOVATION

558300HW

In Biomedical Innovation (BI), a capstone course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.

Prerequisites: Grade of 80 in PBS, HBS, and MI

Credit: 1 unit - Honors

Offered: Grades 11-12

Fees: \$20.00

HUMAN SERVICES

COSMETOLOGY 1 & 2

1st sem. 615012CD; 2nd sem. 615112CD

Cosmetology Level 1 is a unique and innovative course, teaching the latest technology in hair, skin and nail service. The course includes both classroom and laboratory instruction in all phases of beauty culture. The State Department of Education has chosen this program as a model program. This course includes anatomy, health care, bone structure, facial muscles, and the nine body systems, including the reproductive system. Students will learn to cut and style hair, the proper use and application of facial make-up, and manicuring. Leadership skills are learned through SkillsUSA.

Credit: 4 units

Offered: Grade 11

Fees: \$340.00 (payments made over summer)

Selection criteria include attendance, GPA, and discipline.

COSMETOLOGY 3 & 4

1st sem. 615212CD; 2nd sem. 615312CD

This course is a continuation of Cosmetology 1. It includes both classroom and laboratory instruction in all phases of the beauty industry. Students will practice on one another; provide services to handicapped individuals, retirement home residents and clients in the community. Preparation for the State Board Examination is conducted, and upon successful completion of the examination, students may receive a registered cosmetology license and join the work force as a licensed cosmetologist after graduation.

All students successfully completing this course are expected to take the State Board Examination. Leadership skills are learned through SkillsUSA.

Prerequisites: Passed Cosmetology 1 and completion of 510 hours

Credit: 4 units

Offered: Grade 12

Fees: State Board Exam Fee - \$175.00

State Board Supplies - \$100.00

Total (\$275.00) due by first day of school

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

FIREFIGHTER 1

651400CD

This is a rigorous course designed for students who are interested in becoming a volunteer or career firefighter. This course is intended for the student to achieve National Fire Protection Agency certification (NFPA) through the SC Fire Academy. Students must complete and pass all certification tests given by the SC Fire Academy to become Firefighter 1 certified.

Must be sixteen (16) years of age and become a junior member or an explorer

Credit: 2 units

Offered: Grades 10-11

Fees: \$75.00

FIREFIGHTER 2

651500CD

This course is a continuation of Firefighter 1 and is intended for the student to achieve Firefighter 2 certification. This course will require the student to pass all NFPA certification tests and they will need to complete 160 hours of work-based study.

Prerequisite: Firefighter 1

Credit: 2 units

Offered: Grade 11- 12

Fees: \$50.00

LAW ENFORCEMENT SERVICES 1

651001CD

This is a rigorous course designed for students interested in a career in law enforcement. This course will present students an opportunity to learn various aspects of police procedures. Students will learn and participate in practical demonstrations of search and arrest techniques and will become familiar with forensic investigations. Students will become familiar with report writing, evidence collection and testifying in court. Students will learn community police patrol practices. Students will learn case laws and how case laws apply to and govern police work. Students will receive an overview of natural and manmade disasters (including terrorism and the importance of cross-agency coordination). Time permitting, students will participate in field trips and will receive guest speaker instruction/demonstrations from police.

Credit: 2 units

Offered: Grade 11

Fees: \$20.00

In the event that more students register for this Level 1 program than can be accommodated, a rubric will be used to determine which students qualify.

LAW ENFORCEMENT SERVICES 2

651101CD

This is a continuation of course one and will provide students with a greater working knowledge in law enforcement. Students

will be required to demonstrate a working knowledge of police tactics and communications skills. Students will receive additional training in report writing, court room procedures, and defense tactics. Students will receive instruction to be a First Responder and in the use of personal protective equipment. Field trips will be taken and professional guest speakers working in the field will deliver presentations to the class. Students may be afforded the opportunity to participate in the high schools skills program or ride-along programs through various agencies. Students may also be afforded job-shadowing opportunities.

Prerequisite: Grade of 75 or higher in Law Enforcement Services 1

Credit: 2 units

Offered: Grade 12

Fees: \$20.00

In the event that more students register for a Level 2 program than can be accommodated, a rubric from Level 1 will be used to determine which students qualify for Level 2.

NOTE: Certain portions of Level 1 and Level 2 of this course require training in the proper use of a sidearm and target practice. Air-Soft® pellet pistols will be used for this type of instruction. Due to the nature of these activities, only students with a high level of maturity and willingness to follow directions should consider enrolling in these courses. Improper use of these pellet pistols could result in serious disciplinary actions.

MANUFACTURING

WELDING TECHNOLOGY 1 & 2

1st sem. 634000CW; 2nd sem. 634100CW

This course is designed to train students in a basic knowledge of shielded metal arc welding (stick welding), gas metal arc welding (MIG welding), oxy fuel gas cutting, arc gouging, and plasma cutting. Students will learn how to make welds on different types of weld joints in four positions - flat, horizontal, vertical and overhead. Gas Tungsten Arc Welding (TIG), measurement, basic sketch reading, and take home projects will also be a part of the curriculum. Field trips to local industries and technical schools are included. Local industries will speak to classes about jobs, skills needed to perform these jobs and salaries that can be expected.

Credit: 2 units

Offered: Grade 11

Fees: \$30.00

WELDING TECHNOLOGY 3 & 4

1st sem. 634200CW; 634300CW

This is an advanced course which is designed to give the welding student more practical hands-on experience in SMAW, GMAW, and GTAW in different positions. Advanced blueprint readings, interpreting welding symbols, accurate measuring, weld joint design and identifying different metals will be part

of the curriculum. Sometime in the last semester of school, the student will co-op in an industry that relates to welding to give them more of a feel of how it is going to be in the work force. Field trips to local industries and technical schools are included. Local industries will speak to classes about jobs, skills needed to perform these jobs and salaries that can be expected. Jobs are available now for the welding graduate in the construction, automobile, aircraft, maintenance, oil, gas, pipe fabrication, engineering, and sales fields. National certification as an entry level welder through the National Center for Construction Education and Research (NCCER) will be offered.

Prerequisite: Welding Technology 1 & 2
Credit: 2 units
Offered: Grade 12
Fees: \$30.00

In the event that more students register for a Level 2 program than can be accommodated, a rubric from Level 1 will be used to determine which students qualify for Level 2.

MACHINE TECHNOLOGY 1 & 2

1st sem. 623016CW; 2nd sem. 623100CW

In Machine Tool Technology level 1 (MTT 1 & 2) students learn the set-up and operation of various machines for the manufacture, design or repair of metal parts. Students learn to operate the lathe, vertical milling machines, drill presses, grinders, vertical and horizontal cut off saws, while incorporating precision measurement and safety. Job opportunities in the field of metal working will be discussed. Field trips to local industries are included, and CEO's from local industries will speak to classes about job opportunities, skills needed to perform these jobs, and salaries. Students will have opportunities to learn about machine tool through job shadowing at local industries.

Prerequisites: Algebra 1 or Geometry
Credit: 2 units
Offered: Grades 10-11
Fees: \$30.00

MACHINE TECHNOLOGY 3 & 4

1st sem. 623200CW; 2nd sem. 623300CW

Students will receive more advanced training on all machines covered in MTT 1 & 2 and learn basic Computer Numerical Control (CNC) operated machines. Projects will be more precise and performed in a timely manner. These skills will help students prepare for work or advanced education in the field. There will be field trips to local industries and Piedmont Technical College. CEOs from local industries will talk about job opportunities and skills needed to acquire employment. Students will have the opportunity to learn more about machine tool through job shadowing and internships at local industries.

Prerequisite: Machine Tool Tech 1 & 2
Credit: 2 units
Offered: Grades 11-12
Fees: \$30.00

In the event that more students register for a Level 2 program than can be accommodated, a rubric from Level 1 will be used to determine which students qualify for Level 2.

MECHATRONICS INTEGRATED TECHNOLOGIES 1

611800EW - Dual Credit

This course is designed to introduce students to coding, programming and industrial controls. Students will explore how computer programs are used in manufacturing and other settings. The students will also learn to write basic code using LUA and ROBOTIC programming languages, along with equipment specific software. This course will be a collaborative effort with Piedmont Technical College enhanced by learning trips to the local campus.

Prerequisites: Completion of Algebra 1 and Piedmont Technical College admissions criteria
Credit: 1 unit per class (MIT 1, 2, 3, 4)
College credit through Piedmont Technical College
Offered: Grades 11-12

Fees: \$60.00 for all four classes (MIT 1, 2, 3, 4)*

*Students will take all four classes in the same school year and the above prerequisites are the same for each class.

MECHATRONICS INTEGRATED TECHNOLOGIES 2

621100EW - Dual Credit

This is a hand tool operation course and demonstrates the safe and correct use of torque wrenches, industrial tools, hand and power tools; identify the correct safety personal protection equipment; demonstrate the ability to perform layout and the correct usage of various precision measuring instruments.

MECHATRONICS INTEGRATED TECHNOLOGIES 3

611500EW - Dual Credit

Student will study AC/DC circuits in this course. They will discuss and understand electronic theory, including the properties of atoms, conductors and insulators, as well as measurement systems used in electronics.

MECHATRONICS INTEGRATED TECHNOLOGIES 4

624500EW - Dual Credit

This course emphasizes Hydraulics and Pneumatics and will identify hydraulic and pneumatic operations, systems, and components, basic principles of hydraulic power; demonstrate the correct procedure in the breakdown, inspection, and repair of hydraulic and pneumatic cylinders and repair of hydraulic and pneumatic valves.

**SCIENCE, TECHNOLOGY,
ENGINEERING, AND
MATHEMATICS**

**PROJECT LEAD THE WAY (PLTW)
ENGINEERING PROGRAM**

In the PLTW engineering sequence, students engage in open-ended problem solving, learn and apply the engineering design process, and use the same industry-leading technology and software as are used in the world's top companies. Students investigate topics such as computer aided design, statics, architecture, digital electronics and circuit design, and mechanics which gives them an opportunity to learn about different engineering disciplines before beginning post-secondary education or careers. In addition, dual credit is offered by Rochester Institute of Technology (R.I.T.) for students who maintain an average of 85 and earn a stanine score of 7 on the End-of-Course (EOC) test. All students, regardless of grade, must take the EOC test.

**INTRODUCTION TO ENGINEERING
DESIGN
605101CW**

In Introduction to Engineering Design (IED), students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

Prerequisites: 80 or higher in Algebra 1 with priority given to students who completed Gateway to Technology in middle school

Credit: 1 unit
Offered: Grades 9-11
Fees: \$20.00

**PRINCIPLES OF ENGINEERING
605000CW**

Through problems that engage and challenge, students in Principles of Engineering (POE) explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students learn how engineers and technicians use math, science and technology in engineering problem solving. The course also includes concerns about social and political consequences of technological change.

Prerequisites: Completion of IED; Grade of 80 or higher in Algebra 1 and/or concurrent enrollment in Geometry.

Credit: 1 unit
Offered: Grades 10-11
Fees: \$20.00

**COMPUTER INTEGRATED
MANUFACTURING (CIM)
(New Offering)**

605300EW
Dual Credit

Computer Integrated Manufacturing (CIM) illuminates the opportunities related to understanding manufacturing while teaching students about manufacturing processes, product design, robotics, and automation.

Prerequisites: IED or POE
Credit: 1 unit - Dual Credit (3 hours college credit)*
Offered: Grades 11-12
Fees: \$20.00

*Dual Credit is provided for qualifying students through R.I.T. at an additional cost.

**CIVIL ENGINEERING AND
ARCHITECTURE**

605800EW
Dual Credit

Civil Engineering and Architecture (CEA) introduces students to the interdependent fields of civil engineering and architecture; students learn project planning, site planning, and building design.

Prerequisites: IED or POE
Credit: 1 unit - Dual Credit (3 hours college credit)*
Offered: Grades 11-12
Fees: \$20.00

* Dual Credit is provided for qualifying students through R.I.T. at an additional cost.

**ROBOTICS 1
604000CW**

The robotics curriculum is divided into thirteen primary units. In a flexible format, students learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System, RobotC® programming environment, and Autodesk Inventor® while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles; as such, pre-knowledge of programming is NOT required. However this course is structured in such a way that students will learn to program.

Prerequisites: None
Credit: 1 unit
Offered: Grades 9-12
Fees: \$20.00

**ROBOTICS 2
604100CW**

Robotics 2 is a continuation of Robotics 1. Students learn about engineering and engineering problem solving. They will be given introductions to the VEX Robotics Design System, RobotC® programming environment, and Autodesk Inventor® while learning key STEM principles through a process that captures the excitement and engagement of robotics competition. The curriculum is heavily focused on mechatronic principles.

Prerequisites: Robotics 1
Credit: 1 unit
Offered: Grades 9-12
Fees: \$20.00

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS

AUTOMOTIVE COLLISION REPAIR 1 & 2

An I-CAR™ Industry Alliance Approved Career and Technical School

1st sem. 602000CW; 2nd sem. 602100CW

This course provides the basic technology to be employed as a beginning auto collision repair technician. Students will acquire knowledge about the structure of the automobile and become proficient in the use of all tools necessary for auto body and fender repairs through classroom instruction and shop experience. All instructional materials are from the I-CAR Live™ program. I-CAR Live™ is a state-of-the-art training sponsored by major auto and insurance companies for technicians to stay current with advances in the industry. I-CAR™ training is the industry standard required for insurance companies, dealerships, and independent shops nationwide and may be required when the student has entered the workforce. Students may have a transcript recorded online and employers may verify all training taken. See NCCC instructor for further details.

Credit: 2 units
Offered: Grades 10-11
Fees: \$40.00 – due to NCCC by 1st day of school;
OSHA-required mask

AUTOMOTIVE COLLISION REPAIR 3 & 4

An I-CAR™ Industry Alliance Approved Career and Technical School

1st sem. 602200CW; 2nd sem. 6602300CW

Students will learn advanced metal repairs, welding body panels, frame repairs and measuring on a Kar Grabber Unitized Body and Alignment Repair System, mixing and matching paint on both the mix system and the DuPont Color Matching System, collision repairs, complete refinishing of an automobile in a downdraft paint booth. Students will learn shop management skills using computer based technical manuals and state of the art damage estimating programs such as CCC one. During the year the class may go on various trips to repair shops and industrial sites such as Greenville Technical College, Atlanta Drag Races, etc.

Prerequisite: Automotive Collision Repair 1
Credit: 2 units
Offered: Grades 11-12
Fees: \$30.00

In the event that more students register for a Level 2 program than can be accommodated, a rubric from Level 1 will be used to determine which students qualify for Level 2.

AUTOMOTIVE TECHNOLOGY 1 & 2

1st sem. 603000CW; 2nd sem. 603100CW

National Automotive Technicians Education Foundation
Certified Program (NATEF)

Basic skills and technical knowledge of automobiles will be acquired by working on training vehicles before undertaking actual repair jobs. The automotive lab is equipped with some of the most up-to-date diagnostic and repair equipment designed for today's automobiles. Students will learn how to operate this equipment and apply it to vehicle repairs. The automotive classroom is designed like a computer lab and an online training program is used for all coursework. Class sizes are limited to 15 students each to provide more interactivity between students and the instructor.

Credit: 2 units
Offered: Grades 10-11
Fees: \$40.00

AUTOMOTIVE TECHNOLOGY 3 & 4

1st sem. 603200CW; 2nd sem. 602300CW

National Automotive Technicians Education Foundation
Certified Program (NATEF)

Students will expand knowledge gained in Automotive Technology 1 & 2 and venture into the more technical aspects of today's automobiles. This knowledge will be gained from a variety of methods to include live shop work. Vehicle performance, diagnosis and repair will be the main topic for this course. Students will also have the opportunity to participate in internships in our local shops. Dual credit will be awarded through Piedmont Technical College.

Prerequisite: Automotive Technology 1 & 2
Credit: 2 units
Offered: Grades 11-12
Fees: \$50.00 - includes work suit for shop

In the event that more students register for a Level 2 program than can be accommodated, a rubric from Level 1 will be used to determine which students qualify for Level 2.

PLANNING FOR COLLEGE

ACT & SAT

The American College Testing Assessment (ACT) and the Scholastic Aptitude Test (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.

The ACT is now a state-mandated assessment for all juniors, and provides a measure of how well students can perform the skills necessary for college coursework. The ACT measures these skills in English, mathematics, reading and science reasoning. 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 reasoning. 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 (Scholastic Aptitude Test) is a multiple-choice test with critical reading, math and writing sections. Each section of the test has a score range of 200 to 800; thus the score range for the entire test is 600 to 2400.

The critical reading portion tests students on genre, relationship among parts of a text, cause and effect, rhetorical devices and comparative arguments. Reading passages are taken from the natural sciences, humanities and social science.

The math portion tests students' ability to solve problems involving arithmetic reasoning, Algebra 1, Algebra 2 and geometry. One section of the SAT math portion requires students to produce and "grid in" their own answers rather than just select an answer from a set of multiple-choice alternatives. 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.

Some colleges request that students take one or more of the SAT-II tests for admission and/or placement. The SAT-II is given on the same dates and at the same time as the SAT with the exception of the March and April test dates. All SAT-II tests are one hour in length; therefore, students may take from one to three of the tests during any one administration of the SAT and SAT-II.

Students attending a two-year college such as Piedmont Technical College do not need to take the SAT or ACT for admission purposes. Students applying to the SC Technical College system take the COMPASS or ASSET placement test.

However, some programs of study may require the ACT or SAT.

COMPASS/ASSET

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. The primary tests used by Piedmont Technical College are COMPASS or ASSET. COMPASS (Computer-adapted Placement Assessment and Support Services) measures skills in reading, English and mathematics. COMPASS is available on the technical college campus. **Students enrolling in dual credit courses must earn passing scores on COMPASS or ASSET, or an equivalent score on the SAT or ACT, prior to registration.**

You can find more information at www.collegeboard.com and www.act.org.

Education Lottery Scholarships

The South Carolina legislature provides several opportunities for students to receive scholarships.

Palmetto Fellows Scholarship

South Carolina public and private four-year institutions

Value: Maximum of \$6,700 first year, then \$7,500 last three years

Requirements:

- 1200 SAT/27 ACT (through June)
- 3.5 GPA on Uniform Grading Scale at end of Grade 11
- Top six percent of sophomore or junior class
OR
- 1400 SAT/32 ACT (through June)
- 4.0 GPA on Uniform Grading Scale

Enhanced Palmetto Fellows Scholarship

Value: \$10,000/year beginning in sophomore year

In addition to meeting the regular requirements for Palmetto Fellows, the student must:

- Declare an interest in a math, science, computer science or engineering, or be a math/science education major when they apply
- Complete required 14 credit hours of courses as a college freshman

LIFE Scholarship

South Carolina public and private four-year colleges

Value: Up to \$5,000/year (including a \$300 book allowance)

Requirements (two out of the three):

- 3.0 GPA on Uniform Grading Scale
- 1100 SAT/24 ACT
- Top 30 percent of graduating class

Enhanced LIFE Scholarship

Value: \$7,500/year beginning in sophomore year

In addition to meeting the regular requirements for LIFE Scholarship, the student must:

- Declare an interest in a math, science, computer science or engineering, or be a math/science education major when they apply
- Complete required 14 credit hours of courses as a college freshman

LIFE Scholarship

South Carolina two-year public, private and technical colleges

Value: All tuition and fees plus \$300 book allowance

Requirements: 3.0 GPA on Uniform Grading Scale

HOPE Scholarship

South Carolina public and private four-year colleges

Value: Maximum of \$2,800 plus \$150 book allowance

Requirements: 3.0 GPA on Uniform Grading Scale

Lottery Tuition Assistance

South Carolina public and private two-year colleges

Value: Portion of tuition (amount dependent on number of eligible participants and total funding available)

Requirements:

- Be a South Carolina resident for at least one year
- Be enrolled in at least six credit hours each semester toward a certificate degree, diploma program or 2-year degree program
- Make satisfactory academic progress toward the completion of the program requirements
- File a FAFSA (information listed below)

A student convicted of any felonies or any alcohol or drug-related misdemeanor offenses may lose the opportunity to receive a state scholarship or grant.

These requirements are subject to change by the state legislature. You can find more information at www.che.sc.gov.

All students should plan to complete a FAFSA (Free Application for Federal Student Aid). This form is the basis for financial aid to be awarded by all colleges and universities. It cannot be submitted until after January 1 of the senior year. Because it is based on tax information from the previous year, data from tax forms will make completing the FAFSA much easier. Information about the FAFSA is available at www.fafsa.ed.gov.

NCAA Eligibility Requirements

The National Collegiate Athletic Association (NCAA) has in force policies regarding athletic eligibility for Division I and Division II schools. To be eligible for financial aid, practice and competition during the freshman year, students must do the following:

- (1) graduate from high school;
- (2) present a minimum combined test score on the SAT or a minimum combined score on the ACT according to the sliding scale and using the GPA from core courses; and
- (3) present a minimum GPA in core courses in subject areas as defined by the NCAA. Specific information regarding core courses, minimum test scores and minimum GPA is stated below.

Students planning to participate in athletics at Division I or Division II colleges or universities must be certified by the NCAA Eligibility Center. Students should apply for certification early in their senior year. Student release forms needed for this process are available at:

<https://web1.ncaa.org/eligibilitycenter/common/index.html>.

NCAA FRESHMAN-ELIGIBILITY STANDARDS QUICK REFERENCE SHEET Divisions I and II Initial-Eligibility Requirements

Core Courses

- **NCAA Division I and II require 16 core courses.** See the charts below.
- **NCAA Division I will require 10 core courses** to be completed **prior to the seventh semester** (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirements below). These 10 courses become “locked in” at the seventh semester and cannot be retaken for grade improvement.
 - *Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.*

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages (GPA). The sliding scale for those requirements is shown on the following page.
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- **Be sure** to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Only courses that appear on your school’s List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- **Division I** students enrolling full time **before August 1, 2016**, should use Sliding Scale A to determine eligibility to receive athletics aid, practice and competition during the first year.
- **Division I** GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.000 (corresponding test-score requirements are listed on Sliding Scale B).
- **Division I** GPA required to be eligible for competition on or after August 1, 2016, is 2.300 (corresponding test-score requirements are listed on Sliding Scale B).
- **The Division II** core GPA requirement is a minimum of 2.000.
- Remember, the NCAA GPA is calculated using NCAA core courses only.
-

DIVISION I 16 Core Courses
4 years of English
3 years of mathematics (Algebra 1 or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
1 year of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

DIVISION II 16 Core Courses
3 years of English
2 years of mathematics (Algebra 1 or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
3 years of additional English, mathematics or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Sliding Scale A		
Use for Division I prior to August 1, 2016		
NCAA DIVISION I SLIDING SCALE		
Core GPA	SAT	ACT
	Verbal and Math Only	
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

ding Scale B		
Use for Division I beginning August 1, 2016		
NCAA DIVISION I SLIDING SCALE		
Core GPA	GPA	SAT
ACT	for Aid and Practice	for Competition
SUM		
3.550	4.000	400
37		
3.525	3.975	410
38		
3.500	3.950	420
39		
3.475	3.925	430
40		
3.450	3.900	440
41		
3.425	3.875	450
41		
3.400	3.850	460
42		
3.375	3.825	470
42		
3.350	3.800	480
43		
3.325	3.775	490
44		
3.300	3.750	500
44		
3.275	3.725	510
45		
3.250	3.700	520
46		
3.225	3.675	530
46		
3.200	3.650	540
47		
3.175	3.625	550
47		
3.150	3.600	560
48		
3.125	3.575	570
49		
3.100	3.550	580
49		
3.075	3.525	590
50		
3.050	3.500	600
50		
3.025	3.475	610
51		
3.000	3.450	620
52		
2.975	3.425	630
52		
2.950	3.400	640
53		
2.925	3.375	650
53		
2.900	3.350	660
54		
2.875	3.325	670
55		
2.850	3.300	680
56		
2.828	3.275	690
56		
2.800	3.250	700
57		
2.775	3.225	710
58		
2.750	3.200	720
59		
2.725	3.175	730
60		
2.700	3.150	740
61		
2.675	3.125	750
61		
2.650	3.100	760
62		
2.625	3.075	770
63		

NCAA Division I Initial-Eligibility Standards (Beginning with Class of 2016)

The initial-eligibility standards for NCAA Division I college-bound student-athletes are changing. College-bound student-athletes first entering a Division I college or university on or after August 1, 2016, will need to meet new academic rules in order to receive athletics aid (scholarship), practice or compete during their first year.

Important Terms

Full Qualifier: A college-bound student-athlete may receive athletics aid (scholarship), practice and compete in the first year of enrollment at the Division I college or university.

Academic Redshirt: A college-bound student-athlete may receive athletics aid (scholarship) in the first year of enrollment and may practice in the first regular academic term (semester or quarter) but may NOT compete in the first year of enrollment. After the first term is complete, the college-bound student-athlete must be academically successful at his/her college or university to continue to practice for the rest of the year.

Nonqualifier: A college-bound student-athlete cannot receive athletics aid (scholarship), cannot practice and cannot compete in the first year of enrollment.

New Requirements

A **Full Qualifier** must:

1. Complete 16 core courses (same distribution as in the past);
 - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - Seven of the 10 core courses must be English, math or science.
2. Have a minimum core-course GPA of 2.300;
 - Grades earned in the 10 required courses required before the senior year are “locked in” for purposes of GPA calculation.
 - A repeat of one of the “locked in” courses will not be used to improve the GPA if taken after the seventh semester begins.
3. Meet the competition sliding scale requirement of GPA and ACT/SAT score (this is a new scale with increased GPA/test score requirements); and
4. Graduate from high school.

An **Academic Redshirt** must:

1. Complete 16 core courses (same distribution as in the past);

APPENDIX A

2. Have a minimum core-course GPA of 2.000;
3. Meet the academic redshirt sliding scale requirement of GPA and ACT/SAT score; and
4. Graduate from high school.

A **Nonqualifier** is a college-bound student-athlete who fails to meet the standards for a qualifier or for an academic redshirt.

Examples

Q: *A college-bound student-athlete completes 15 core courses with a 2.500 core-course GPA and an 820 SAT score (critical reading and math). What is the college-bound student-athlete’s NCAA initial-eligibility status?*

A: The college-bound student-athlete is a nonqualifier because only 15 core courses were completed, not the required 16 core courses.

Q: *A college-bound student-athlete completes 16 core courses in the required framework with a 2.500 core-course GPA and a 68 sum ACT. What is the college-bound student-athlete’s initial-eligibility status?*

A: The college-bound student-athlete is an academic redshirt. Under the new competition scale, a 68 sum ACT score requires a 2.950 core-course GPA.

Q: *A college-bound student-athlete completes nine core courses prior to the seventh semester of high school. What is the college-bound student-athlete’s initial-eligibility status?*

A: The college-bound student-athlete cannot be certified as a qualifier because only nine of the 10 required courses were completed before the seventh semester. He/she would be permitted to practice and receive aid (scholarship), provided he/she presents 16 core courses and meets the necessary core-course GPA and test-score requirement at the time of graduation.



DUAL ENROLLMENT

This program is designed for highly motivated juniors and seniors who choose to earn college credit while still enrolled in high school. Most students earn **Dual Credit**, receiving college credit and high school credit simultaneously, which has been approved in advance by the high school principal. Other students enroll in courses at Piedmont as **Early Admission** students, taking courses beyond those required in high school. These courses only earn college credit.

TYPES OF COURSES

With the appropriate approval, students can enroll in any of the following types of courses:

- Piedmont Technical College courses taught at the high school, earning dual credit
- **On DECK**, courses taught on a Piedmont Technical College campus scheduled only for high school students
- Regularly scheduled Piedmont Technical College courses taken with Piedmont Technical College students
- Online courses where students work independently in a virtual classroom taught by Piedmont faculty on the college's schedule; students must register for online courses directly with Piedmont Technical College

REQUIREMENTS

Students must complete the following admissions requirements. All forms are available in the school guidance office or from the dual enrollment liaison.

- Piedmont Technical College Application – completed online at www.ptc.edu/apply
- High School Student Registration Form signed by student, parent/guardian, and guidance counselor/administrator
- Piedmont Technical College placement test scores (COMPASS) or appropriate SAT or ACT scores
- Copy of birth certificate or other approved citizenship documentation (all students must be a US citizen or legal permanent resident)

*It is the responsibility of the student/parent to notify PTC staff of any health-related needs or concerns.

COST

The cost of dual enrollment courses varies depending on the location where the course is taught – at the high school, online, or at Piedmont Technical College.

- Students enrolled in classes taught at the high school or career center receive **FREE** tuition, as long as the student is enrolled in at least 6 credit hours (typically 2 PTC classes) within a single semester and meets all other Lottery Tuition Assistance requirements. Students enrolled in ENG 101/102 at NHS or PLTW classes at NCCC will be charged at a rate of \$150 per course for these classes, unless they are paired with another PTC class each semester. The student is responsible for textbook costs.
- Students enrolled in OnDECK, online, or regularly scheduled PTC courses receive **REDUCED** tuition. The student is responsible for textbook costs. South Carolina residents enrolled in at least 6 credit hours (typically 2 PTC classes) within a semester are eligible for Lottery Tuition Assistance (LTA), which reduces these costs.

Tuition for the academic year 2017-2018 will be established by the PTC Area Commission by May 1, 2017. The amount of Lottery Tuition Assistance is determined by the state legislature and will be announced in June 2017.

FINANCIAL AID/GRADES

- Students who are considered residents of South Carolina and are enrolled in at least six credit hours (usually two classes) in a single semester are eligible for South Carolina Lottery Tuition Assistance.
- High school students are NOT required to complete the FAFSA form to qualify for Lottery Tuition Assistance.
- High school students are not eligible for Federal Financial Aid available for traditional college students.
- High School students who graduate and attend Piedmont in the summer term following graduation will need to apply for financial aid to receive LTA benefits.
- The student's LIFE scholarship "clock" does not start until a student has graduated from high school.

- Students will still be eligible for the full four years of LIFE scholarship assistance after high school graduation if they maintain the appropriate GPA.
- If students apply to another college or university, the grades earned at Piedmont will be reviewed by the receiving institution. These grades will affect the student’s eligibility for the LIFE Scholarship after their freshman year of college, and students earning less than a B average in any college course may jeopardize future financial aid eligibility.
- All grades earned in dual enrollment courses will be posted to an official Piedmont Technical College transcript.
- Dual enrollment general education courses are weighted on an AP level on the State Uniform Grading Scale.

TRANSFERABILITY

The SC Commission on Higher Education (CHE) publishes a list of 86 courses that are transferable to all public institutions in South Carolina. This list can be found at <http://www.ptc.edu/academics/bachelors-degree-transfer/courses-transfer>. Many private colleges also accept these courses for transfer credit. Career and technical courses not found on this list are transferable to all technical colleges and many public and private four-year colleges, depending on the student’s major. While all public South Carolina colleges and universities accept dual credit classes, each college and university establishes the manner in which they apply these courses in the college transcript depending on the student’s major. It is the responsibility of each student to check with the individual college or university at which they plan to enroll.

TRANSCRIPTS

Official transcripts will be issued to other colleges upon the student's request and receipt of a transcript fee. Transcript requests should be completed through Piedmont Tech’s website at <http://www.ptc.edu/college-resources/student-records-office/requesting-ptc-transcripts>.

BOOKS

Students must purchase textbooks for dual enrollment courses – these are not provided by the high schools or PTC. Please consult with your guidance counselor regarding the procedures for purchasing textbooks. Books must be purchased by the student for all dual enrollment courses no matter where the class is taught.

QUESTIONS?

If you have questions regarding the dual enrollment program, please contact the Director of Dual Enrollment at Piedmont Technical College, at (803) 768-8150.

ARTICULATION AGREEMENTS

Articulation agreements between the school district and Piedmont Technical College allow for the awarding of credits for certain courses completed in high school upon entrance to Piedmont Technical College.

Credits are issued based on the development of common course descriptions for specified courses. These correlations ensure accurate awarding of credits from the high school to the technical college in a specified program without additional cost in time or money to the student.

The intent of these articulation agreements is to expand access to higher education for students through a uniform policy, when the following conditions exist:

1. High school students must learn and master the goals, objectives and competencies listed on the curriculum correlation chart;
2. High school students must earn a grade of “B” or better;
3. The high school instructor must recommend in writing students who have successfully completed course(s).

Students meeting these conditions will have fulfilled the technical college requirements and will receive appropriate college credit at Piedmont Technical College. They will not have to repeat the course when they attend Piedmont Technical College.

Through articulation, students may enter the technical college with pre-earned credit hours and may complete their program of study in less time. This opportunity is designed for students who are focused on their career and are serious about their goal to complete the technical college program.

For The School District of Newberry County, the following programs of study have articulation agreements in place:

- Air Conditioning/Refrigeration Technology
- Building Construction Technology
- Machine Tool Technology
- Welding

ONDECK COURSES

These courses are being offered on the recommendation of local high schools to provide seniors with greater flexibility in obtaining college credit while still in high school.

It is recommended that students enroll in **2 courses (6 credits) per semester**, to insure eligibility for state Lottery Tuition Assistance. Two courses can be taken in one time block, earning 6 credits in one semester. Counselors will be able to discuss course offerings, schedule and costs during the Individualized Graduation Plan (IGP) meeting.

PROJECT LEAD THE WAY

Project Lead the Way is a national not-for-profit organization that promotes pre-engineering courses for high school and middle school students. The primary goal is to increase the number of quality and quantity of engineering and engineering technologists graduating from the school systems and entering the workforce.

The PLTW classes are modeled after introductory engineering courses taught at the university level. Students gain first-hand experience in different facets of engineering and discover where their strengths lie.

Courses completed with a grade of “B” or higher for any of the following courses in high school will automatically count as like courses in the Engineering Technology curricula at Piedmont Technical College.

- Introduction to Engineering Design = EGT 152 (Fundamentals of CAD)
- Principles of Engineering = EGR 130 (Engineering Technology Applications & Programming)
- Digital Electronics = EET 140 (Digital Electronics)
- Computer Integrated Manufacturing = CIM 131 (Computer Integrated Manufacturing)
- Civil Engineering and Architecture = AET 101 (Building Systems I)

For more information, please contact Sandy Warner at (864) 941-8466.

APPENDIX B

HONORS PROGRAM CRITERIA

The School District of Newberry County provides an honors program at each high school where an adequate number of academically talented students are enrolled to support the courses. Programs may be offered in English, mathematics, and/or advanced content courses. It is hoped that participation in the honors program will prepare all capable students for successful participation in advanced placement and/or dual credit courses, as well as prepare them for post-secondary educational experiences.

Honors English

Criteria for Honors English 1 - Successful completion of 8th grade English language arts (ELA) with an 85 or above yearly average, and score exemplary on 8th grade state ELA assessment

Criteria for Honors English 2 - Completion of Honors English 1 or college preparatory English 1 with an 85 or above yearly average, score exemplary on 8th grade state ELA assessment (rising 9th graders), and pass the End-of-Course Exam for English 1

Criteria for continuing in the ELA honors strand - Completion of the previous year's honors English course with a yearly average of 85 or above, and passing the state assessment in ELA, including the writing portion

Criteria for entering honors English 3 or 4 - Completion of college preparatory English 2 or 3 with an 85 or above yearly average, and pass the state ELA assessment (if applicable), including the writing portion

Honors Math

Criteria for honors Algebra 1 - Successful completion of 8th grade math with an 85 or above yearly average, and score exemplary on 8th grade state mathematics assessment

Criteria for honors Algebra 2 and/or honors geometry - Completion of Honors Algebra 1, college preparatory Algebra 1, or Algebra 1B with an 85 or above yearly average; score exemplary on 8th grade state math assessment (rising 9th graders); pass the Algebra End-of-Course Exam; and pass the state assessment in math, if applicable

Criteria for continuing in the honors strand - Complete the previous year's honors math course with a yearly average of 85 or above, pass the state end of course Algebra exam, and pass the state mathematics assessment, if applicable

Criteria for entering honors pre-calculus - Completion of honors or college preparatory Algebra 2 and geometry with an 85 or above yearly average

Parent/Student option - If a student does not meet the criteria set above but the parent and student feel the more rigorous curriculum of the honors strand is the best placement, parents may petition the administration of the school one time during the student's school years, in writing, to request that the student be allowed to take an honors class if space is available on a one-year-only basis. After the parent and student consult with the school administration and it is determined that the petition for honors strand placement is appropriate, the student will enter the honors program on a probationary status. Continued participation in the honors strand is contingent upon the student maintaining an 85 average in honors courses. A signed agreement between the parent, student and principal, agreeing to the above conditions, will be placed in the student's permanent record.

Gifted/Talented option - If a student does not meet the criteria for ELA honors classes, but does meet the state criteria for verbally gifted and talented students, the administration will counsel the parent and student as to the best placement for the student. If a student does not meet the criteria for math honors classes, but does meet the state criteria for non-verbal gifted and talented students, the administration will counsel the parent and student as to the best placement for the student.