



CAROLINA HIGH SCHOOL & ACADEMY



Table of Contents

Page 1	Planning Your Education - Grades 10/11/12 Online Registration
Page 2	State Diploma Requirements Unit Requirements for Grade Advancement IGPs, Career Clusters, and Personal Pathways to Success
Page 3	Uniform Grading Scale / Computing GPR-Grade Point Ratio College Admission Requirements
Page 4	Guidelines for Courses
Page 5	Early Dismissal Guidelines Career Center Program Registering for a Career Center Course Fine Arts Center Program
Page 6	School Information
Page 10	Course Descriptions

Planning Your Education

Your school provides this course curriculum guide as a means of assisting students and parents in planning their high school course of study. Consideration should be given to planning the entire four year program with specific outcomes in mind. Is the student planning on attending a two or four-year college? Is the student planning to enter the military or the work force upon graduation? The successful student will plan based on goals that he and his parents establish upon completion of high school. Therefore, students are encouraged to carefully select courses during the registration process. Your school's guidance counselors and teachers stand ready to assist them. Parents are invited and encouraged to actively participate by assisting their student.

Classes are scheduled based upon student requests. However, due to schedule conflicts and changes in course offerings, the staff cannot guarantee that students will be scheduled for all courses they request. Therefore, it is very important that students list alternatives in case of class conflicts. In addition, be aware that the school builds a master schedule and employs teachers based on students' requests; therefore, schedule changes after the deadline will only be considered on a very limited basis. Students should see their guidance counselor for a list of the schedule change requests that will be honored and the deadline by which these requests must be submitted.

Online Registration

Online Registration was implemented in 2004. It allows parents and students to request related arts courses for the next school year from home via the Internet. Families who do not have access to the Internet will be given opportunities to use school computers to register online. Parents and students should understand that requesting a related arts course through online registration does not guarantee that the student is placed in the course the next school year. Final placement in a course is dependent upon enrollment, scheduling feasibility, and teacher allocation. Parents without Internet access at home will receive a printed copy of the course curriculum guide by request. The window for students to select related arts courses online is posted by the school on the school's website and in parent newsletters. Schools will provide instructions on accessing the online registration tool.

State Diploma Requirements

English – 4 Units

Math – 4 Units

Science – 3 Units

US History – 1 Unit

Economics – ½ Unit

Government – ½ Unit

Other Social Studies – 1 Unit

Physical Education or ROTC – 1 Unit

Computer Science – 1 Unit

Foreign Language or Occupational Specialty – 1 Unit

Electives – 7 Units

IGPs, Career Clusters and Personal Pathways to Success

The South Carolina Education and Economic Development Act (EEDA) requires school districts to develop a curriculum organized around the career cluster system—16 career clusters, schools of study, and majors. In the organization of the district curriculum around the career cluster system, Greenville County Schools divided the 16 career clusters into five schools of study. These five schools of study include School of Arts, Media, & Communication; School of Business, Marketing & Information Systems; School of Engineering, Manufacturing & Environmental Sciences; School of Health Science; and School of Public and Human Services. Under each school of study a student will find related career clusters. The career clusters are then broken down into academic focus areas (majors) that students may choose based on interests and skills.

Personal Pathways to Success is the name given to this reorganization of the curriculum which is designed to help students take control of planning for their futures. Personal Pathways to Success provides the solid mix of academic and technical skills students need to compete in the global economy. It gives students a reason to achieve in school by connecting success in school with success in life. It maintains South Carolina's core academic requirements while opening up pathways to success for students no matter where they lead – to two-year colleges, four-year colleges or universities, the military, or directly into the workforce. Students, parents, and counselors work together to develop Individual Graduation Plans (IGP) that specify a student's cluster, academic focus (major), post-secondary goals, planned high school activities, and planned out-of-class activities. The Individual Graduation Plan (IGP) is a document that states the student's intentions related to courses that are taken during high school. **The IGP is initiated in the 8th grade with the choice of a cluster area. When the IGP is updated in the 10th grade, the student will select an academic focus (major) within their cluster of choice.** The courses that are taken are determined by the student's interests. It can be modified over time as interests and skills develop or change. The IGP is like a road map to the future: if the student stays on course, the student will reach the destination – graduation – with all the courses, skills and experience needed to take his education or career to the next level. Each year the student, parents/guardians, and counselors will review and update the plans for the coming year. Switching clusters or majors is okay -- as the high school years progress and the student learns more about his interests and skills there are bound to be changes in choice of coursework.

Uniform Grading Scale

The following conversion table will be used to determine GPR and rank in class.

South Carolina Uniform Grading Scale Conversions

Numerical Average	Letter Grade	College Prep	Honors	Dual Credit AP/IB
100	A	4.875	5.375	5.875
99	A	4.750	5.250	5.750
98	A	4.625	5.125	5.625
97	A	4.50	5.00	5.50
96	A	4.375	4.875	5.375
95	A	4.250	4.750	5.250
94	A	4.125	4.625	5.125
93	A	4.00	4.500	5.000
92	B	3.875	4.375	4.875
91	B	3.750	4.250	4.750
90	B	3.625	4.125	4.625
89	B	3.500	4.000	4.500
88	B	3.375	3.875	4.375
87	B	3.250	3.750	4.250
86	B	3.125	3.625	4.125
85	B	3.000	3.500	4.000
84	C	2.875	3.375	3.875
83	C	2.750	3.250	3.750
82	C	2.625	3.125	3.625
81	C	2.500	3.000	3.500
80	C	2.375	2.875	3.375

Unit Requirements for Grade Advancement

24 Units of Credit are required to obtain a SC High School Diploma.

Grade 9

Successful completion of eighth grade

Grade 10

5 units (must include English 1, one unit of mathematics and three other units)

Grade 11

11 units (must include English 1 and 2, two units of mathematics, one science, and six other units)

Grade 12

17 units (must include English 1, 2, and 3, three units of mathematics, two units of science, and nine other units)

College Admission Requirements

Usually college admissions requirements are far beyond the minimum requirements for high school graduation. Students who plan to attend college should consult catalogs of colleges to assure that they are choosing the right courses. Colleges also look at the GPA and class rank as well as College Entrance Exam scores such as the SAT or ACT for admission. Since the fall of 1988, public senior colleges and universities in South Carolina have required that applicants for freshmen admission (who graduated from high school in 1988 or subsequent years) must have completed certain high school courses before being admitted. The required courses include the following:

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 **College Preparatory English I, II, III, and IV** will meet this criterion.

FOUR UNITS OF MATHEMATICS: These include **Algebra I** for which **Applied Mathematics I and II** may count together as a substitute, if a student successfully completes **Algebra II**), **Algebra II**, and **Geometry**. **A fourth higher-level mathematics course** should be selected from among **Algebra III/trigonometry, precalculus, calculus, statistics, discrete mathematics, or a capstone mathematics course and should be taken during the senior year.**

THREE UNITS OF LABORATORY SCIENCE: Two units must be taken in two different fields of the physical or 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**. Courses in earth science, general physical science, or introductory or general

79	C	2.250	2.750	3.250
78	C	2.125	2.625	3.125
77	C	2.000	2.500	3.000
76	D	1.875	2.375	2.875
75	D	1.750	2.250	2.750
74	D	1.625	2.125	2.625
73	D	1.500	2.000	2.500
72	D	1.375	1.875	2.375
71	D	1.250	1.750	2.250
70	D	1.125	1.625	2.125
69	F	1.000	1.500	2.000
68	F	0.875	1.375	1.875
67	F	0.750	1.250	1.750
66	F	0.625	1.125	1.625
65	F	0.500	1.000	1.500
64	F	0.375	0.875	1.375
63	F	0.250	0.750	1.250
62	F	0.125	0.625	1.125
0-61	F	0	0	0
61	FA	0	0	0
61	WF	0	0	0
--	WP	0	0	0

*Credit for a course will be awarded for a grade of 70 or above. A score of 69 or below will result in no credit for that course.

Grade point ratios will be figured uniformly in all schools using the following formula. The formula will yield each student's GPR which can then be ranked from highest to lowest rank in class. Computations will not be rounded to a higher number. All diploma candidates are included in the ranking.

$$\text{GPR} = \frac{\text{sum}([\text{quality points}] \times [\text{units}])}{\text{sum of units attempted}}$$

environmental science for which biology and/or chemistry is **not** a **prerequisite** will not meet this requirement. It is strongly recommended that students take physical science (taught as a laboratory 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, mathematics, engineering or technology take one course in all three fields.**

TWO UNITS OF THE SAME FOREIGN LANGUAGE

THREE UNITS OF SOCIAL SCIENCE: One unit of **U.S. History** is required; a half unit of **Economics** and a half unit in **Government** are strongly recommended.

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., one involving significant programming content, not simply keyboarding) is strongly recommended for this elective.** Other acceptable electives include college preparatory courses in **English; fine arts; foreign languages; 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 II.**

ONE UNIT OF PHYSICAL EDUCATION OR ROTC

Guidelines for Courses

State Dept. of Education regulations and Greenville County Schools Board of Trustee policies/rules that relate to high school course offerings offer the following guidance:

- Students are not allowed to take the same course twice. The only exception is if the student has earned a D or an F in that course. If the student chooses to retake such a course, he must do so within a year. The student's transcript will reflect all courses taken and the grades earned.
- Students taking courses for a Carnegie unit prior to their ninth grade year may retake any course regardless of grade earned. In this case, only the retake grade will be used in figuring the student's GPA, and only the retake attempt will show on the transcript. This rule will apply whether the retaken grade earned is higher or lower.
- Courses that include students who are part of a team, club, or organization must be open to all other students who meet the prerequisites and who want to benefit from the content and skills taught.
- Carnegie units are not to be awarded for extracurricular activities or preparation for interscholastic competition such as band competition practice, football practice, cheerleading practice, dance team rehearsals, forensic tournament rehearsal or student council activity.
- Students are not allowed to earn a Carnegie unit for being a teacher's aide with the exception of the science lab assistant and the media center specialist's assistant.
- Study halls are not permitted in Greenville County Schools.
- Schools offering courses in Service Learning and/or other work-based, credit-bearing instructional experiences such as Internship or Cooperatives are to abide by all rules governing those experiences and courses. Students must attend class a minimum of one day per week if they are engaged in their work-based projects outside the school. Insurance forms, attendance logs, and performance evaluation documentation must be on file at the school. Teachers of these courses are required to make site visits and to keep appropriate documentation on each student.
- An honors course must have a published syllabus that verifies rigor that is sufficiently beyond the college prep requirements.
- Honors-level texts and other course materials must be differentiated and more rigorous than those used in the college prep courses.
- Honors-level courses may be offered in English, math, science, and social studies. Additionally, honors weighting may be designated in other content areas for the third and fourth level of the courses provided the standards above are met. Honors weighting may not be designated in any physical education or ROTC course.
- In elective areas, third and fourth level courses must contain the prerequisite of the first and second level of the course - by state recommendation.
- **Teacher recommendation** means that a teacher recommends a course as a future path for that student. The appropriate content-area teacher is designated in the prerequisite.
- **Instructor approval** means that the teacher who is actually teaching the course must approve of that student's placement in the course.
- Specific instances demanding an exception to the grade level requirement for a course must be addressed by the appropriate Teaching and Learning consultant.
- Students and parents who disagree with a recommendation made by a teacher may choose to complete a "Parent Override Request" and set up a conference with the teacher who made the placement. The form is available through the guidance office at the school.
- Curriculum Guide Key:
 - AP – Advanced Placement Level Course
 - IB – International Baccalaureate Course
 - CP – College Preparatory Course
 - H – Honors Level Course

Early Dismissal Guidelines

Only students who meet the criteria approved by the school board may elect to take early dismissal from school. Schools will not allow permanent early dismissals to any student except when a high school student's principal determines that **all** of the following circumstances exist:

- Student classified as a senior;
- Student is enrolled in the courses needed to complete the requirements of the SC High School Diploma;
- Student is scheduled for a minimum of
 - four class periods per day on a seven-period day schedule, **or**
 - two class periods per day on a 4 x 4 or A/B block schedule; and,
- Student's parent/guardian petitions the school in writing for the student's permanent early dismissal at a time to be determined by the school.

A junior may be granted a permanent early dismissal only for the purpose of attending a for-credit college class. All of the following circumstances must exist for a junior to obtain a permanent early dismissal:

- Student classified as a junior;
- Student is on track to complete the requirements of the SC High School Diploma;
- Student is scheduled for a minimum of
 - four class periods per day on a seven-period day schedule, **or**
 - two class periods per day on a 4 x 4 or A/B block schedule; and,
- Student has presented proof of registration for a college course through the appropriate application process; and,
- Student's parent/guardian petitions the school in writing for the student's permanent early dismissal at a time to be determined by the school.

Career Center Program

Greenville County Schools has four career centers which provide the students an opportunity to study and prepare for the career of their choice. Students attend the career center for either a one-year or two-year program in the field of their choice. Programs include, but are not limited to, automotive technology, web design, early childhood education, culinary arts, health science technology, welding, automotive collision repair, carpentry/building construction, drafting, marketing, criminal justice, and agricultural education. Students attend the career center for either three hours in the morning or three hours in the afternoon after receiving their core academic courses at the home-based high school. Students are also provided the opportunity to gain practical work experience while at the career center through various work-based experiences, including but not limited to, co-operative education, internships, and shadowing. The faculty at the career center is made up of individuals who have extensive work experience in the field they teach, as well as teaching experience. Courses at the career center each award two units of credit per semester, and many of the courses are dual credit. In dual credit courses, students receive both high school credit and college credit from Greenville Technical College. For more information on courses available at a particular career center, students can check the website of the career center or call the career center.

Donaldson Career Center: <http://www.greenville.k12.sc.us/donaldsn/>

Enoree Career Center: <http://www.greenville.k12.sc.us/enoree/index.asp>

Golden Strip Career Center: <http://www.greenville.k12.sc.us/gstripcc/>

J. Harley Bonds Career Center: <http://www.greenville.k12.sc.us/bonds/>

Registering for a Career Center Course

All students who wish to register for a Career Center program are to contact either their school's counselor or a counselor at the Career Center to receive instructions on completing the application process.

Fine Arts Center Program

The Fine Arts Center of Greenville County, the first specialized arts school in South Carolina, was established in August of 1974. The Center serves students from 14 district schools, from private, charter and homes schools, and students from outside Greenville County who pay a yearly tuition to attend. The purpose of the Fine Arts Center is to provide advanced comprehensive arts instruction to students who are artistically talented and who wish to take an intensive pre-professional program of study. Students who apply to the Fine Arts Center are selected on the basis of talent, motivation and commitment to their discipline, as indicated by academic records, a teacher recommendation and an audition/interview. Students who are interested in applying should contact either their school's counselor or the Fine Arts Center counselor to receive instructions on completing the application process. Students attend the Fine Arts Center five days a week in the morning or afternoon for 110 minutes of instruction, spending the remainder of their time in academic studies at the home high school. Curricula are rigorous and fast-paced and most are equivalent to college level courses. The faculty are highly trained and widely experienced. The students are studying with active and successful artists who practice what they teach in the classroom – performing, designing, assembling, photographing, filming, writing, researching, publishing, and exhibiting. Each year approximately 300 students attend the Fine Arts Center, and of that number, many go on to receive honors, awards, and scholarships. <http://www.fineartscenter.net/>

Carolina High School Registration Handbook

Pincipal's Message

As you look through this catalog please remember the importance of what you are about to do. The courses you choose will become the educational foundation that prepares you for the rest of your life. Through these classes and experiences you will grow, mature, and develop as the person that you want to and hope to be. It is our responsibility to help you do just that. It is with great Carolina Trojan pride that we accept this challenge and also look to challenge you in your endeavor.

I want to take this time to also remind everyone the key characteristics that make a true Carolina Trojan. A true Carolina Trojan is noble, determined, and trustworthy. Having nobility means that we carry ourselves with very specific characteristics that others admire and seek to obtain: these include integrity, honesty, generosity, and courage. Being determined means that we have a strong feeling that we are going to do something and that we will not allow anyone or anything to stop us. This is where we choose excellence and then go achieve it. Finally, there is trustworthiness. To illustrate this means that we as Trojans are able to be relied on to do or that we will provide what is needed or right. It means that we are deserving of trust in all that we do and in how we carry ourselves.

Remember, WE ARE TROJANS!

Respectfully,
Michael B. Delaney
Principal

Vision

Our vision is to create a culture in which school and community foster academic excellence and the social development of all students in a safe and inviting learning environment.

Mission

Our mission is to help students reach their full potential through engaging experiences that are academically excellent and socially equitable.

Motto

Whatever It Takes!

Beliefs

We believe that we can empower students to succeed as lifelong learners through individual and collaborative efforts.

We believe that all students will adhere to and reach the high expectations we set forth and model.

We believe that our diversity and challenges will make us stronger and not be an obstacles or excuse in our way.

We believe that we will treat members of our school, our community, and our stakeholders with the respect and dignity they deserve.

We believe that our students and our parents are our customers, and we will serve them to the best of our abilities, creating a dynamic partnership.

Student Expectations

Trust
Respect
Responsibility

Care about their academic and athletic performance by passing all their classes.

Have honor by not displaying behavior that results in ISS or OSS.

Show pride by coming to school every day.

Registration Process and Timeline

STEP 1 – February 20, 2015

On-line course catalog made available to parents and students. Review descriptions of courses that are available to students.

STEP 2 – February 23, 2015 CURRICULUM NIGHT

Students participate in curriculum night to learn about the course offerings at Carolina. Students gain valuable information about the registration process and have the opportunity to ask questions regarding courses from teachers, guidance counselors, and administrators.

STEP 3 – Student Registration

March 10, 2015 – 8th grade students can access the Parent Portal to register for classes.

March 16, 2015 – 9th – 11th grade students can access the Parent portal to register for classes.

Students are given their username and password to access the registration screens on the parent portal to select recommended and elective courses for the 2015-2016 academic year.

Students have the option to choose electives and alternates within the system. Students are encouraged to review the course catalog so that the choices made are appropriate for their interests.

STEP 4 – Review Course Requests

April 8, 2015 Course requests come home with the 3rd quarter report card. Parents and students are encouraged to review selections. This is the appropriate place to indicate elective changes or appeal course level placement. The form must be signed by a parent and returned to the school by April 10, 2015.

The goal of the registration process is to provide students with access to courses required for graduation and offer opportunities to explore electives that will enhance their academic experience. We strive to send students schedules with the end of the year report card. It is important to note that a schedule may change based on courses needed for graduation requirements. Students may request changes to their schedule prior to the start of the new school year. After student orientation in August, students may only request a schedule change for one of the following reasons: student has already received credit for the course; student recommended for a different level of same course; course needed for graduation; or juniors and seniors that meet the early dismissal requirements.

Special Education Program of Study

Students served under Individuals with Disabilities Education Act (IDEA) are served through Special Education Services. Students at Carolina High School can be served in at least one of the following ways:

1 – Inclusion

Students in the inclusion model will have intervention services designed to supplement the students' academic curriculum.

2 – Educational Support Courses (previously called Resource or Tutorial)

Educational Support courses are designed to provide the curricular support across content areas. Students work on individual needs within the course.

3 – Access Courses

Students enrolled in Access Courses address general education standards through grade appropriate course curriculum with modifications. These courses are graded courses that serve to replace the general education curriculum for that content area.

Air Force Reserve Officer Training Corp

Carolina High School offers Air Force Junior Reserve Officer Training Corp (AFJROTC) which students may substitute for Physical Education to meet the graduation requirement. Students may take four years of AFJROTC. The mission of the AFJROTC program is to "develop citizens of character dedicated to serving their nation and community." The goal of the program is to instill values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment." Additionally, the program offers students a way to make significant improvement in their health and promotes a more active and healthy lifestyle through wellness and physical training. Students taking AFJROTC must wear the AFJROTC uniform one day each week and fully comply with Air Force dress and appearance standards in order to pass the course. Students must also dress-out and participate in physical training one day each week. All students will receive an official Air Force uniform (shirt, pants, jacket & shoes) and physical training gear (shorts, t-shirt, sweatshirt & sweatpants) at no personal cost. Each student is responsible for keeping the uniform and physical training gear clean throughout the school year. All official Air Force uniform items (except shoes) must be professionally dry-cleaned and returned in serviceable conditions at the end of each semester.

Career Center Courses

Carolina High School is served by Donaldson Career Center and Enoree Career Center. Donaldson Career Center is the primary feeder for Carolina students however if a course is not offered at Donaldson students may take courses at Enoree Career Center. To register for courses, students must complete an on-line application for the appropriate career center and register for courses online at Carolina High School. Students that complete programs of study at the Career Centers may be eligible for Career Center Distinction at the time of graduation.

Carolina High School will offer a series of Health Science courses previously offered through the Career Center. Students will have access to those programs without enrolling as Career Center students or leaving campus to take courses. Students will have a certified Health Science teacher and greater flexibility within their schedule to take other courses at Carolina.

Magnet Programs

Carolina High School offers Project Lead the Way (PLTW) programs of study: PLTW Engineering and PLTW Biomedical Sciences. Listed below are the courses for each program of study. For more information visit www.pltw.org

Engineering Course of Study

9 – Introduction of Engineering Design

10 – Principles of Engineering

11 – Digital Electronics

12 – Computer Integrated Manufacturing and Engineering Development & Design

Biomedical Sciences Course of Study

9 – Principles of Biomedical Science

10 – Human Body Systems

11 – Medical Innovations

12 – Biomedical Innovations

Students interested in participating in the magnet programs offered at Carolina High School should complete the on-line magnet application found on the Greenville County School District website (www.gcsmagnetacademies.org), the Carolina High School website (www.greenville.k12.sc.us/carolina) or contact Lora Booher, Magnet Coordinator (lbooher@greenville.k12.sc.us or (864)355-2316).

New Tech Network (NTN) Partnership

Carolina High School has joined the New Tech Network. “The New Tech design provides an instructional approach centered on project-based learning, a culture that empowers students and teachers, and integrated technology in the classroom. Our hands-on, multi-year approach gives schools structure and support to ensure long-term success.” (www.newtechnetwork.org)

Beginning in the ninth grade, students will participate in project and problem based learning that is contextual, creative and shared.” Students will take integrated courses that link various required content areas and use technology to support instructional learning. Students will have one-to-one web-enabled computing that will allow them to work collaboratively and take control of the overall learning experience. Teachers will serve as facilitators and afford students the opportunity to become content experts in ways that support their learning styles. The ultimate goal is to create a learning culture that promotes trust, respect and responsibility.

How will the New Tech Learning approach be implemented at Carolina?

Beginning in 2014, Carolina began implementing three integrated courses that will submerge students in the collaborative process immediately. With each year a new grade level will be added; incorporating a new set of integrated courses as well as creating the opportunity for a student to have access to additional Advance Placement courses, Dual credit courses and Internships after they have completed required courses of study. Each year additional courses will be implemented school-wide with integrated courses at every level.

What are Integrated Courses?

Integrated courses are classes that are linked together to provide a more comprehensive understanding in concepts in both areas. Students will still be enrolled in courses that are required for graduation, however, the approach to federal guidelines.

Integrated Courses	Course Title
English 1: Genre Studies and Integrated Computer Applications	Digital Literacy
English 2: World Literature and World History	Humanities
English 3: American Literature, Government and Economics	Money, Power and the American Dream
Algebra 1 and Scientific Research	Quantitative Thinking
Geometry and Foundations of Animation	Animania
Algebra 2 and Chemistry	Scientific Modeling
Pre-Calculus and Physics	Everyday Mechanics
World Geography and Biology	World Biology

What type of technology are students required to have?

NTN students will be assigned personal electronic devices after receipt of the one-time \$25.00 payment.

How will this affect my student's ability to graduate?

Each integrated course is linked to at least one course required for graduation. Students will still have the opportunity to take elective courses as a part on their course of study. This course of study may allow students to graduate early or open up opportunities for additional coursework.

Will my student still be able to participate in the magnet program?

Yes, students in the PLTW: Engineering or PLTW: Biomedical Sciences program will still be a part of NTN course of study. These courses will be taught in a similar style as the integrated courses and will still allow them to complete the requirements to earn the Magnet Distinction Award.

New Tech Network Course Descriptions

Animania

Integrated Courses: Geometry and Foundations of Animation

Can you imagine taking dreams and images and making them jump off the screen? Animania uses project based learning to marry 3-D computer graphics, animation, modeling, deformations and character animations with geometric concepts ranging from construction and analysis of 2- and 3- dimensional shapes, coordinate geometry, and basic trigonometry. While exploring fundamental geometry concepts students will determine the impact technology has made on the field of animation and the way we use math to invent and rediscover. Students have the option to earn Honors credit by achieving mastery (80%) on eighty percent of the Honors option rubrics for projects and benchmarks with the course.

Digital Literacy

Integrated Courses: English 1 and Integrated Computer Applications

This is not your ordinary keyboarding class. Digital Literacy uses innovative instruction to explore drama, poetry, fiction and non-fiction through the use of various digital media. Students learn and demonstrate understanding of creating analytical claims, supporting arguments with evidence, analyzing text and communicating information to various audiences. Conventional grammar, mechanics, usage and spelling and will be reinforced through course workshops and collaboration within student work groups. Students have the option to earn Honors credit by achieving mastery (80%) on eighty percent of the Honors option rubrics for projects and benchmarks with the course.

English 1 EOCEP required

Humanities

Integrated Courses: English 2 and World History

By definition Humanities is the study of human culture. Within this course students will explore literature, art, social, political, environmental, religious, and economic changes over a 700 year period. Students will continue to strengthen written and oral skills as well as discover research methods that allow for Socratic debate and analytical writing. Project based learning will afford students the opportunity to discover the how and why people, ideas, and technology have created modern society. Students have the option to earn Honors credit by achieving mastery (80%) on eighty percent of the Honors option rubrics for projects and benchmarks with the course.

Quantitative Thinking

Integrated Courses: Algebra 1 and Scientific Research

Watch out Bill Nye... We believe in inquiry based learning! Quantitative Thinking attempts to answer the question: "When will I use this in real life?" Students learn introductory algebra concepts like linear, quadratic and exponential equations through problem and project based learning. Potential projects may include researching alternative fuel methods and evaluating their fuel efficiency and environmental pollution. Students have the option to earn Honors credit by achieving mastery (80%) on eighty percent of the Honors option rubrics for projects and benchmarks with the course.

Algebra 1 EOCEP required

Scientific Modeling

Integrated Courses: Algebra 2 and Chemistry

BOOM! POW! WOW! These are not comic book phrases... This is what happens when students use the scientific method to explore, develop, model and analyze the impact of chemistry on the modern world. Developmental concepts like chemical bonding, atomic structure, gases, states of matter, nomenclature are organized around polynomial, rational, and radical functions. Students could potentially determine the rate of decay of food maintained in various environments that are impacted by various chemical and biological events. Students have the option to earn Honors credit by achieving mastery (80%) on eighty percent of the Honors option rubrics for projects and benchmarks with the course.

World Biology

Integrated Courses: Biology and World Geography

From animal footprints in the sand to fossils on dry land students investigate the interrelationships of living and non-living things as the world changes. Levels of biological organization, human biology, biochemistry and genetics will be explored through the lens of changing regions, population, cultural, economic, political and environmental factors. Students will have the opportunity investigate why one of the world's largest birds lacks the ability to fly and why human genetics is impacted by biological and environmental factors. Students have the option to earn Honors credit by achieving mastery (80%) on eighty percent of the Honors option rubrics for projects and benchmarks with the course.

Biology EOCEP required

Course Descriptions

English

Title: English 1 ESOL

Course Number: 301170CW

Unit Credit: 1

Grade Level: 9 - 12

This course offers an in-depth study of various literary genres and will include outside reading. Grammar and other language skills are studied intensely. Composition includes continued instruction in writing effective paragraphs and in developing various writings to inform, explain, analyze, or entertain. This course is designed for the student who has a primary language other than English and is not proficient in the listening, speaking, reading, writing, or comprehension in the English speaking classroom. Limited English proficiency should be determined by an approved language assessment instrument. PREREQUISITE: Guidance Placement

Title: SCCC English 1

Course Number: 302401CW

Unit Credit: 1

Grade Level: 8 - 12

This course is designed to prepare students for College and Career readiness as required by the Common Core State Standards. The curriculum is a genre study of major genres: drama, poetry, fiction and informational texts. Note: this course carries CP GPA weighting. PREREQUISITES: None

Title: SCCC English 2

Course Number: 302501CW

Unit Credit: 1

Grade Level: 9 - 12

English 2 introduces literary global perspectives focusing on literary texts from the Americas (Caribbean, Central, South, and North), Africa, Eastern Europe, Asia, Oceania, and the Middle East. This course is designed to prepare students for the rigor of the Common Core State Standard??s College and Career Readiness. Note: this course carries CP GPA weighting. PREREQUIISTES: District Criteria

Title: SCCC English 3

Course Number: 302601CW

Unit Credit: 1

Grade Level: 9 - 12

English 3 is an in-depth study of United States literature and literary nonfiction, especially foundational works and documents from the 17th century through the early 20th century. A minimum of one play by an American dramatist should be included. Students will be exposed to a number of historical seminal documents and correlate those documents with literature from that time period. . Note: this course carries CP GPA weighting. PREREQUISITE: District Criteria

Title: SCCC English 3 Hon

Course Number: 302603HW

Unit Credit: 1

Grade Level: 9 - 12

English 3 Honors is a course with focus on both literary and informational texts that reflect American influence. The course is designed to prepare students for the rigor of the South Carolina State Standards for College and Career Readiness. Note: this course carries Honors GPA weighting. PREREQUISITE: Earned 80 or above in English I Honors and English 2 Honors; High level of performance in reading and writing skills; Ability to think critically and demonstrated enthusiasm for language arts; Teacher recommendation

Title: SCCC English 4

Course Number: 302701CW

Unit Credit: 1

Grade Level: 9 - 12

English 4 completes the global perspective initiated in English 2. Though its focus is on British and Western European literature, this course also includes important United States seminal historical documents and literature (texts influenced by European philosophy or action). The course should include a minimum of one Shakespearean play. Note: this course carries CP GPA weighting. PREREQUISITES: District Criteria

Title: SCCC English 4 Hon

Course Number: 302703HW

Unit Credit: 1

Grade Level: 9 - 12

English 4 Honors completes the global perspective initiated in English 2. Though its focus is on British and European (Western, Southern, Northern) literature, this course includes important United States documents and literature (texts influenced by European philosophy or action) and a minimum of one Shakespearean play. Note: This course carries Honors GPA weighting. PREREQUISITES: District Criteria

Title: Creative Writing

Course Number: 303201CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course, designed for students interested in written and multimedia expression, includes a study of the various forms of poetry, fiction, nonfiction, and multimedia technology. Students will create portfolios of their own creative writing and experiment with various forms of expression. The course may culminate in the publication of a school-wide literary magazine. This course does not take the place of any required English course. PREREQUISITE: None

Title: Journalism 1

Course Number: 305001CW

Unit Credit: 1

Grade Level: 9 - 12

This is an elective course designed to provide initial exposure to newspaper and yearbook production skills and to journalistic theory and history. Emphasizing sound journalistic principles, the program focuses on journalistic writing skills and information gathering techniques and introduces students to concepts of design and photojournalism. This course does not take the place of any required English course.

PREREQUISITE: English teacher recommendation

Title: Journalism 2 Yearbook

Course Number: 305113CW

Unit Credit: 1

Grade Level: 9 - 12

This is an elective course for students who have completed Journalism 1 and who show outstanding skills in writing, design, or photography. The program includes staff organization, ad sales and business management, feature writing, layout and design, photography, and the publication process. Students will refine skills introduced in Journalism I and will complete a practicum involving the publication of the school yearbook. This course does not take the place of any required English course. PREREQUISITE: Journalism 1 and/or Instructor approval

Title: Yearbook Management

Course Number: 305413CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is for students who have mastered the skills taught in Yearbook Production. The program includes experiences in scheduling, planning, leadership, accountability, budgeting, and creating guidelines, as well as writing and editing. Students involved in Yearbook Management will be responsible for seeing that the yearbook is published according to established rules and guidelines. The focus of the course is to offer students exposure to the professional media by an advanced analysis of current trends in professional print, advertising and public relations. This course does not take the place of any required English course. PREREQUISITE: Yearbook Production and Instructor approval

Title: Yearbook Production

Course Number: 305425CW

Unit Credit: 1

Grade Level: 9 - 12

This is an elective course for students who have completed Journalism 2 Yearbook and who show outstanding skills in writing, design, or photography. The program includes staff organization, ad sales, and business management, feature writing, layout and design, photography, and the publication process. Students will refine skills as they produce a school yearbook. This course does not take the place of any required English course. PREREQUISITE: Journalism 2 Yearbook and Instructor approval

Title: AP Eng Lit/Comp

Course Number: 307005AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course is an in-depth study of various modes and genres in literature. Writing to the literature is a major emphasis with a focus on exposition, argumentation, and critical analysis. The literature studied involves close reading of literary works. All students enrolled must take the Advanced Placement English Literature and Composition Exam in May. Note: This course carries AP/IB GPA weighting. PREREQUISITE: Successful completion of at least two honors level English courses prior to attempting an AP course; Demonstrated ability to think critically ; Teacher recommendation; Commitment to the Advanced Placement workload and examination

Title: AP Eng Lang/Comp

Course Number: 307105AW

Unit Credit: 1

Grade Level: 9 - 12

This is a college-level course for those students who are highly competent in verbal skills. Language and composition will be explored in-depth through a close reading of nonfiction texts and essays. Writing tasks include analytical and critical essays as well as various other types of composition. Particular attention is given to rhetorical analysis and persuasive techniques. All students enrolled in the course are required to take the AP Language and Composition exam in May. **PREREQUISITE:** Must meet all of the following: Successful completion of Eng 2 Honors and Eng 3 Honors; HSAP score of 3 or 4; Demonstrated ability to think critically; Teacher recommendation; Commitment to the AP workload and exam

Title: Sem AP Eng Lang H

Course Number: 309951HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course for elective credit taken during the spring semester is designed for schools on Block schedule. It reinforces and builds upon the content covered in the fall AP Language and Composition course. Students gain a greater depth of content understanding as well as experience and expertise in thinking and writing critically to prepare for the AP Exam in May. This course does not take the place of any required English course. **PREREQUISITE:** Advanced Placement Language and Composition

Title: Sem AP Eng Lit H

Course Number: 309959HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course for elective credit taken during the spring semester is designed for schools on Block schedule. It reinforces and builds upon the content covered in the fall AP Literature and Composition course. Students gain a greater depth of content understanding as well as experience and expertise in thinking and writing critically to prepare for the AP Exam in May. This course does not take the place of any required English course. **PREREQUISITE:** Advanced Placement Literature and Composition

Math

Title: Sem AP Calculus AB H

Course Number: 319903HW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for schools on a Block schedule. This honors-level course for elective credit taken during the spring semester reinforces and builds upon the content covered in the fall AP Calculus AB course. Students gain a greater depth of content understanding as well as experience and expertise in critical thinking and problem-solving for the AP examination in May. This course may NOT be considered as a math credit for graduation. **PREREQUISITE:** Advanced Placement Calculus AB

Title: Algebra 1 ESOL

Course Number: 411170CW

Unit Credit: 1

Grade Level: 9 - 12

This course offers elementary algebraic content to students preparing for four-year or technical college experiences and others desiring a formal background in mathematics. It meets the state Algebra 1 standards and is intended for motivated students of average or above average skills in mathematics. Students in this course must take a state-mandated end-of-course test. This course is designed for the student who has a primary language other than English, and is not proficient in the listening, speaking, reading, writing, or comprehension in the English speaking classroom. Limited English proficiency should be determined by an approved language assessment instrument. Students will have to take the end of course test as the final exam. It will count as 20% of the final grade. **PREREQUISITE:** Guidance placement

Title: SCCC Alg 1 CP

Course Number: 411400CW

Unit Credit: 1

Grade Level: 7 - 12

In Algebra 1 students develop fluency creating, interpreting, and translating between various forms of linear, quadratic, and exponential equations and functions. They will interpret functions graphically, numerically, symbolically, and verbally and use them to model real-world phenomenon. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject. **PREREQUISITE:** Math 8, Math Teacher Recommendation

Title: SCCC Alg 2 CP

Course Number: 411500CW

Unit Credit: 1

Grade Level: 9 - 12

In Algebra 2 students extend their repertoire of functions to include polynomial, rational, and radical functions. Students expand their abilities to model real-world situations, including solving quadratic equations involving complex numbers and solving exponential equations by using logarithms. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful and logical subject. PREREQUISITE: Alg 1 or Alg 1 A and Alg 1 B; Geometry; Math Teacher Recommendation

Title: SCCC Alg 2 Hon

Course Number: 411502HW

Unit Credit: 1

Grade Level: 9 - 12

Algebra 2 Honors students study all topics included Algebra 2 CP. They also study additional topics including the Binomial Theorem, operations with complex numbers, graphs of rational functions, solutions of logarithmic equations, synthetic division of polynomials, function composition and inverses. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject. PREREQUISITE: Alg 1 or Alg 1 A and Alg 1 B; Geometry; Math Teacher Recommendation

Title: SCCC Geometry CP

Course Number: 412200CW

Unit Credit: 1

Grade Level: 8 - 12

Geometry students study congruence and similarity through analyses of transformations and formal constructions. They also study the properties of triangles and quadrilaterals, the Pythagorean Theorem, special right triangles, and right-triangle trigonometry. Additional topics include circles, coordinate geometry, and area and volume of 2-and 3-dimensional shapes. Students develop formal proofs using a variety of formats. The Mathematical Practice Standards also apply throughout the course. PREREQUISITE: Algebra 1; Math Teacher Recommendation

Title: Pre-Calculus H

Course Number: 413103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is placed on active participation through modeling, technology lab activities, group activities, and communication in mathematics. Students are expected to use technology, including graphing calculators, computers, and data-gathering equipment throughout the course. Students will be required to work with more intensity, at a deeper level, and produce a wider range of more complex and difficult material PREREQUISITE: Geometry Honors and Algebra 2 Honors or Geometry CP and Algebra 2 CP with Math teacher recommendation

Title: Precalculus CP

Course Number: 413105CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is placed on active participation through modeling, technology lab activities, group activities, and communication in mathematics. Students are expected to use technology, including graphing calculators, computers, and data-gathering equipment throughout the course. PREREQUISITE: Geometry CP, Algebra 2 CP, and Math teacher recommendation

Title: Prob and Stats CP

Course Number: 414105CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a broad introduction to the concepts of probability and statistics. Topics will include probability; collection display, and analysis of data; permutations and combinations; binomial normal and t-distributions. PREREQUISITE: Geometry CP or Geometry CP: Concepts and Apps and Algebra 2 CP or Algebra 2 CP: Concepts and Apps

Title: AP Calculus AB

Course Number: 417005AW

Unit Credit: 1

Grade Level: 9 - 12

This is a course for the mathematically gifted student capable of college-level work. The course outline reflects the content currently recommended by the College Entrance Examination Board (CEEB). Students enrolled in the course are required to take the AP Calculus Exam in the spring. **PREREQUISITE:** Precalculus Honors or Math teacher recommendation

Science

Title: Biology 1 H

Course Number: 322103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Extensive laboratory work and problem-solving are essential components. Beginning with the 2010-2011 school year, the state required end-of-course test in Biology will be administered as the final exam for this class and the class will be required for graduation. The grade on the end-of-course test will count as 20% of the student's final grade. **PREREQUISITE:** Alg 1 Honors, or Alg 1 Honors concurrent, Science teacher recommendation

Title: Biology 1 CP

Course Number: 322104CW

Unit Credit: 1

Grade Level: 9 - 12

This course includes laboratory work and extensive study of specimens. Course content encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Beginning with the 2010-2011 school year, the state required end-of-course test in Biology will be administered as the final exam for this class and the class will be required for graduation. The grade on the end-of-course test will count as 20% of the student's final grade. **PREREQUISITE:** Alg 1 CP, or Alg 1 CP concurrent, Science teacher recommendation

Title: Biology 1 ESOL

Course Number: 322170CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for students desiring a formal background in biology. It includes laboratory work and extensive study of specimens. Course content encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. This course is designed for the student who has a primary language other than English, and is not proficient in the listening, speaking, reading, writing, or comprehension in the English speaking classroom. Limited English proficiency should be determined by an approved language assessment instrument. Beginning with the 2010-2011 school year, the state required end-of-course test in Biology will be administered as the final exam for this class and the class will be required for graduation. The grade on the end-of-course test will count as 20% of the student's final grade. **PREREQUISITE:** Guidance Placement

Title: Chemistry 1 H

Course Number: 323103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course is a prerequisite for Advanced Placement Chemistry. After a short review of fundamental topics covered in Physical Science Honors, students will study atomic structure, quantum mechanical theory, bonding, shapes of molecules, gases, thermochemistry, electrochemistry, oxidation reduction, nuclear chemistry, acids and bases. The course contains a major laboratory component. **PREREQUISITE:** Concurrent Alg 2 Honors, Science teacher recommendation

Title: Chemistry 1 CP

Course Number: 323104CW

Unit Credit: 1

Grade Level: 9 - 12

This course is rigorous and demands a high level of abstract thinking, memorization, working with symbols, and application of knowledge to problem-solving. Student participation in laboratory activities is essential for success in this course. The course content includes organization of matter, chemical bonding, atomic structure, gases, states of matter, nomenclature, and skill development. **PREREQUISITE:** Concurrent Alg 2 CP and Science teacher recommendation

Title: Physics 1 H

Course Number: 324103HW

Unit Credit: 1

Grade Level: 9 - 12

This honors-level course focuses on the basic principles which determine the interactions between matter and energy with extensive laboratory work. The course includes topics on mechanics, electricity, magnetism, thermodynamics, optics, sound and an introduction to quantum physics. Students in this course will gain a basic knowledge of physics which they can build on in future college classes. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material.

PREREQUISITE: Alg 2 Honors or Alg 2 Honors concurrent, Science teacher recommendation

Title: Physics 1 CP

Course Number: 324104CW

Unit Credit: 1

Grade Level: 9 - 12

This course familiarizes students with fundamental principles of physics and their applications. The course includes topics on mechanics, electricity, magnetism, thermodynamics, optics, sound and an introduction to quantum physics. Math, graphing, and problem-solving skills will comprise the basis of instruction. PREREQUISITE: Alg 2 CP or Alg 2 CP concurrent, Science teacher recommendation

Title: Environmental Studies

Course Number: 326101CW

Unit Credit: 1

Grade Level: 9 - 12

Students will study the ecosystem of the Earth including man's impact on the planet and the long-term effects of man's actions. Topics covered include: acid rain; greenhouse effect; energy sources; water, air, and soil pollution; human population; global warming; and weather. The South Carolina Commission on Higher Education does not accept this beginning level course taken prior to Biology or Chemistry for college admission. PREREQUISITE: None

Title: Environ Science CP

Course Number: 326107CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to promote an understanding of human impact on the environment. The course includes physical and chemical properties, living systems and interrelationships. The course provides opportunities for student participation, research, field testing, experimentation, and decision-making. The SC Commission on Higher Education accepts this course as a science course for college admission with the prerequisites of Biology 1 CP and/or Chemistry 1 CP. Please note the Commission on Higher Education considers this a rigorous, upper level course and not an introductory class. To provide students with the proper rigorous background needed in the class, the school district requires the pre-requisites of Biology 1 CP and Chemistry 1 CP. PREREQUISITE: Biology 1 CP and Chemistry 1 CP, Science teacher recommendation

Title: AP Environmental Sci

Course Number: 327705AW

Unit Credit: 1

Grade Level: 9 - 12

The AP Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the relationship of organisms in nature, to analyze environmental problems and to search for a solution for these problems. Students must take the AP Environmental Science Exam in May. PREREQUISITE: Biology 1 H and Chemistry 1 H recommended, Approval of AP Teacher

Title: Scientific Research

Course Number: 329965CW

Unit Credit: 1

Grade Level: 9 - 12

Sound scientific technique requires the collection of information from many different sources including the measurement and analysis of experimental data. This elective course equips students with the basic techniques required to conduct a scientific research study in area of science or technology. The major goal of the course is the completion of a science project. Students will conduct research with the intention of entering it in a contest and presenting it at a conference. In the process of doing their research the students will learn how to conduct a literature search, avoid common data collection problems and use basic statistical analysis on the data they collect. In addition they will be introduced to error analysis on the Internet. PREREQUISITE: Chemistry 1 CP

Social Studies

Title: World Geography CP

Course Number: 331010CW

Unit Credit: 1

Grade Level: 9 - 12

World Geography is the standards-based course including the physical and cultural characteristics of Earth. The course is organized systematically around the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. This course requires critical thinking and is conceptual in nature. It may be taught from either a systematic or a regional perspective. Map-reading skills, History/Social Studies Literacy skills, and the use of geographic models and geographic information systems is an integral part of this course. Note: This course is an elective and can only be taken ONE time. PREREQUISITE: Social Studies Teacher Recommendation

Title: US History H

Course Number: 332003HW

Unit Credit: 1

Grade Level: 9 - 12

United States History Honors is an in-depth study of the impact and implications of decisions made throughout the history of our country. Approximately one fourth of the course includes early history through the Civil War with course emphasis on the years from Reconstruction to the present. Topics studied in depth include western migration and immigration from the end of Reconstruction through the first part of the 20th century the Industrial Age and urbanization America as a world power progressivism World War I the Great Depression and New Deal World War II domestic issues and policies from World War II to the present and international issues policies and involvement from the Cold War to the present. This course will entail a rigorous program of reading, research and writing. It is strongly recommended that students have Honors English placement. U.S. History is required for graduation. Students must take the state-required end-of-course U.S. History test as the final exam. It will count 20% of the final grade. PREREQUISITE: One social studies unit, Social Studies teacher recommendation

Title: US History CP

Course Number: 332009CW

Unit Credit: 1

Grade Level: 9 - 12

United States History is a survey course tracing the history of our country. Approximately one fourth of the course includes early history through the Civil War, with course emphasis on the years from Reconstruction to the present. Topics studied in depth include western migration and immigration from the end of Reconstruction through the first part of the 20th century, the Industrial Age and urbanization, America as a world power, progressivism, World War I, the Great Depression and New Deal, World War II, domestic issues and policies from World War II to the present, and international issues, policies, and involvement from the Cold War to the present. Students will apply higher order thinking skills as they consider content throughout the course. U.S. History is required for graduation. Students must take the state-required end-of-course US History test as the final exam. It will count 20% of the final grade. PREREQUISITE: One social studies unit, Social Studies teacher recommendation

Title: US History ESOL

Course Number: 332070CW

Unit Credit: 1

Grade Level: 9 - 12

United States History is a survey course tracing the history of our country. Approximately one fourth of the course includes early history through the Civil War, with course emphasis on the years from Reconstruction to the present. Topics studied in depth include western migration and immigration from the end of Reconstruction through the first part of the 20th century, the Industrial Age and urbanization, America as a world power, progressivism, World War I, the Great Depression and New Deal, World War II, domestic issues and policies from World War II to the present, and international issues, policies, and involvement from the Cold War to the present. U.S. History is required for graduation. This course is designed for the student who has a primary language other than English, and is not proficient in the listening, speaking, reading, writing, or comprehension in the English speaking classroom. Limited English proficiency should be determined by an approved language assessment instrument. Students will take the state-required end of course as the final exam. It will count 20% of the final grade. PREREQUISITE: One social studies unit, Social Studies teacher recommendation

Title: US Government CP

Course Number: 333007CH

Unit Credit: 0.5

Grade Level: 9 - 12

US Government CP incorporates the structure organization and function of the American political system. Topics studied include: foundations of U.S. government the three major branches of government and the Constitution. Students will study the details of the political system at the national state and local levels. Comparisons will be made between American government and other political systems, and students will apply higher order thinking skills as they consider content throughout the course. US Government is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: US Government H

Course Number: 333014HH

Unit Credit: 0.5

Grade Level: 9 - 12

U.S. Government Honors incorporates the structure organization and function of the American political system. Topics studied include: foundations of United States government, the three major branches of government, and the Constitution. Students will study the details of the political system at the national, state, and local levels. Comparisons will be made between American government and other political systems. At the honors level students will read supplementary materials and analyze, synthesize, and evaluate new information as they develop critical thinking skills. It is strongly recommended that students have Honors English placement. U.S. Government is required for graduation.

PREREQUISITE: Social Studies teacher recommendation

Title: Law Education

Course Number: 333601CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course involves a study of different types of law, their development, and their role in a democratic society. Emphasis will be placed on citizen rights and responsibilities, law enforcement, the judicial system, liberty, and justice. Topics include criminal law, juvenile justice, torts, consumer, family, and housing law, and individual rights and responsibilities. The course focuses on the interpretation of cases and law enforcement procedures. PREREQUISITE: Social Studies teacher recommendation

Title: Psychology CP

Course Number: 334009CW

Unit Credit: 1

Grade Level: 9 - 12

Psychology is an elective survey course dedicated to the holistic study of behavior. Topics include the biological bases of behavior, the learning process, sensation and perception, motivation and personality, defense mechanisms, testing, human growth and development, abnormal psychology, and leading theorists in the field. PREREQUISITE: Social Studies teacher recommendation

Title: Sociology

Course Number: 334501CW

Unit Credit: 1

Grade Level: 9 - 12

Sociology is an elective course that examines the social, political, religious, economic, and educational institutions that affect human relationships. A study of the following will be included: techniques of sociologists, socialization, norms, roles, deviant behavior, groups, social stratification, and social change. PREREQUISITE: Social Studies teacher recommendation

Title: Economics H

Course Number: 335004HH

Unit Credit: 0.5

Grade Level: 9 - 12

Economics Honors provides a standards-based study of the overall economy including both macroeconomics and microeconomics. Students will focus on topics such as money and banking, competition, supply and demand, factors of production, consumer rights and responsibilities, and personal financial literacy. At the honors level students will read supplementary materials and analyze, synthesize, and evaluate new information as they develop critical thinking skills. It is strongly recommended that students have Honors English placement. Economics is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: Economics CP

Course Number: 335007CH

Unit Credit: 0.5

Grade Level: 9 - 12

Economics is the standards-based study of the overall economy, including both macroeconomics and microeconomics, with an emphasis on using, refining, applying and enhancing social studies skills and concepts to the content under study. These skills and concepts include the Social Studies Literacy Elements and the Knowledge and Cognitive Process Dimensions of the Revised Bloom's Taxonomy. Students will focus on topics such as money and banking, competition, supply and demand, factors of production, consumer rights and responsibilities, and personal financial literacy. Economics is required for graduation. PREREQUISITE: Social Studies teacher recommendation

Title: World History from 1300 CP

Course Number: 336014CW

Unit Credit: 1

Grade Level: 9 - 12

The course is designed to focus on the making of the modern world. Students will develop an understanding of how people and countries of the world have become increasingly interconnected. The course will focus on how the changes over the last 700 years including population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. History/Social Studies Literacy skills and critical thinking are integral to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people. Note: This course is an elective and can only be taken ONE time.

PREREQUISITE: Social Studies Teacher Recommendation

Title: AP US Government

Course Number: 337305AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course covers the following major content areas: constitutional underpinnings of United States government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government, the Congress, the presidency, the bureaucracy, and the federal courts; public policy; and civil rights and civil liberties. It is strongly recommended that students have Honors or AP English placement and U.S. Government Honors as a prerequisite. Students are required to take the AP exam in May. PREREQUISITE: Social Studies teacher recommendation

Title: AP Human Geography

Course Number: 337905AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course is designed to allow students to study in depth the nature and perspectives of geography, population, cultural patterns and processes, political spatial organization, agricultural and rural land use, industrialization and economic development, and cities/urban land use. Students are required to take the AP exam in May. This course may take the place of Global Studies 1 or Global Studies 2. PREREQUISITE: Social Studies teacher recommendation

Title: AP Psychology

Course Number: 437105AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level course includes methods approaches and history of psychology; bases of behavior; sensation and perception; states of consciousness; learning; cognition; motivation and emotion; developmental psychology; personality; testing and individual differences; abnormal psychology; treatment of psychological disorders; and social psychology. Students are required to take the AP exam in May.

PREREQUISITE: Social Studies teacher recommendation

Arts

Title: Art 1

Course Number: 350101CW

Unit Credit: 1

Grade Level: 7 - 12

This introductory course provides students with problem-solving experiences in two and three-dimensional media, stressing design elements (line, shape, form, value, color, space, and texture), and design principles, (proportion, emphasis, harmony/unity, balance, rhythm/movement, contrast repetition/ pattern, and variety). Emphasis is on the development of basic skills. PREREQUISITE: None

Title: Art 2

Course Number: 350201CW

Unit Credit: 1

Grade Level: 9 - 12

This course provides students with two and three-dimensional design experiences and opportunities to apply these principles in individual artistic expressions. Drawing from observation and developing technical competency are emphasized. Periodic class critiques and the maintenance of a sketchbook and portfolio are required. Topics covered include but are not limited to portraiture, graphics, advertising, and display techniques. PREREQUISITE: Art 1 or another Visual Arts course

Title: Art 3 H

Course Number: 350303HW

Unit Credit: 1

Grade Level: 9 - 12

This is an advanced-level course for in-depth approaches to solving two and three-dimensional design problems. Emphasis is on the individual development of craftsmanship and personal expression. Advanced approaches to drawing are stressed. Other techniques explored may include but are not limited to painting, printmaking, design, mixed media, ceramics, and sculpture. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Art 2 and Instructor approval

Title: Art 4 H

Course Number: 350403HW

Unit Credit: 1

Grade Level: 9 - 12

This advanced art course emphasizes individualized exploration of specific art problems. The course content is contractual and meets the interests and needs of individual students. A sketchbook and periodic critiques are required. Students develop and maintain professional quality portfolios. This course prepares students for Advanced Placement studio courses. Media and techniques explored may include but are not limited to painting, printmaking, design, mixed media, ceramics, and sculpture. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Art 3 H and Instructor approval

Title: Art Appreciation

Course Number: 351101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a study of the major trends, styles and periods in the history of art. Emphasis is on an understanding and appreciation of various art forms the accomplishments of artists from the past and present and the socio-cultural influences that shape art in society. This course is for the highly motivated student. Art Museum and other Field trips guest lectures, demonstrations, and studio encounters may be included. PREREQUISITE: None

Title: Marching Band 1

Course Number: 353101CW

Unit Credit: 1

Grade Level: 9 - 12

This course emphasizes basic musicianship and performance techniques on individual woodwind brass and percussion instruments. Students concentrate on developing technique, breath control, tone quality, range, and proper posture. Students participate in small and large ensembles, in which quality traditional and contemporary literature reinforce important musical concepts. Students also receive instruction in marching band fundamentals and apply them to field performance. PREREQUISITE: Participation in the middle school program or private study.

Title: Marching Band 2

Course Number: 353201CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Band 1. Students increase both their technical and musical development through concentration on the elements of music. Small ensemble participation is emphasized and students expand their understanding of wind literature through large ensemble participation. The fundamentals of marching band are reviewed and opportunities are available to students for section leadership responsibilities. PREREQUISITE: Band 1 or another Instrumental Music course

Title: Marching Band 3

Course Number: 353301CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Band 2. Students continue their technical development and give attention to the development of musical interpretation. Exposed to music of various styles and periods students increase their understanding of the elements of music through music literature. They review marching band fundamentals and apply them to field performance. Students may assume additional leadership responsibilities. PREREQUISITE: Any second level Instrumental Music course and Instructor approval

Title: Marching Band 4

Course Number: 353401CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Band 3. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. PREREQUISITE: Any third level Instrumental Music course and Instructor approval

Title: Music Appreciation 1

Course Number: 356101CW

Unit Credit: 1

Grade Level: 9 - 12

This course emphasizes the study of composers and styles of each period of music from the Renaissance to the Twentieth Century. The development of listening skills is of primary importance and the course includes guided listening experiences through live concerts and recordings. The course stresses literature from the mainstream of music and music of different cultures and ethnic groups. **PREREQUISITE:** None

Title: AP Studio Art/ Draw

Course Number: 357205AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level studio course in art is for artistically talented and highly motivated students. Students must develop a portfolio of work for submission to the College Board Advanced Placement Program for college credit based on an examination. Prospective students must be able to work independently and spend extensive time working beyond the regular class time. Students must select the drawing portfolio section of the studio program. **PREREQUISITE:** Application / Portfolio

Title: AP Studio Art/2-D

Course Number: 357417AW

Unit Credit: 1

Grade Level: 9 - 12

This college-level studio course in art is for artistically talented and highly motivated students. Students must develop a portfolio of work for submission to the College Board Advanced Placement Program for college credit based on an examination. Prospective students must be able to work independently and spend extensive time working beyond the regular class time. Students must select the 2-D design portfolio section of the studio program. **PREREQUISITE:** Application / Portfolio

Title: Drama 1

Course Number: 452101CW

Unit Credit: 1

Grade Level: 9 - 12

In this course students will develop basic skills and techniques of set design, acting, and directing and will participate in all aspects of a production. Intense study of a variety of plays and dramatic forms will be included. Students may be required to attend plays as assigned by the teacher/director. **PREREQUISITE:** None

Title: Drama 2

Course Number: 452201CW

Unit Credit: 1

Grade Level: 9 - 12

This course will enable students to study the history of theater and to participate in discussions and performances representative of various periods and styles of theatre. The emphasis will be on the development of techniques of acting, set design, and construction, and creation of costumes. **PREREQUISITE:** Drama 1

Title: Chorus Ens 3 H

Course Number: 459903HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Chorus Ensemble 2 and is a course for students with superior vocal talents. Students study either early music literature, vocal jazz, or popular music as indicated by class designation. They learn the elements of music, proper tone quality production, music reading, and vocal flexibility as it relates to style. The direction and emphasis of the course are determined by the instructor. Students will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. **PREREQUISITE:** Chorus Ensemble 2 and Instructor approval

Title: Chorus Ens 1

Course Number: 459914CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a course for students with superior vocal talents. Students study either early music literature, vocal jazz, or popular music as indicated by class designation. They learn the elements of music, proper tone quality production, music reading, and vocal flexibility as it relates to style. **PREREQUISITE:** Prior vocal training and teacher recommendation

Title: Chorus Ens 4 H

Course Number: 459915HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a course for students with superior vocal talents. Students study either early music literature, vocal jazz, or popular music as indicated by class designation. They learn the elements of music, proper tone quality production, music reading, and vocal flexibility as it relates to style. The direction and emphasis of the course are determined by the instructor. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex and difficult material. PREREQUISITE: Chorus Ensemble 3 and Instructor approval

Title: Symphonic Band 2

Course Number: 459934CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 1. Students increase both their technical and musical development through concentration on the elements of music. Small ensemble participation is emphasized and students expand their understanding of wind literature through large ensemble participation. The fundamentals of concert performance are reviewed and opportunities are available to students for section leadership responsibilities. PREREQUISITE: Symphonic Band 1 or any Instrumental Music course and teacher recommendation

Title: Symphonic Band 3 H

Course Number: 459951HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 2. Students continue their technical development and give attention to the development of musical interpretation. Exposed to music of various styles and periods students increase their understanding of the elements of music through music literature. They review concert fundamentals and apply them to performance. Students may assume additional leadership responsibilities. Students in this course will work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any second level Instrumental Music course and Instructor approval

Title: Symphonic Band 4 H

Course Number: 459959HW

Unit Credit: 1

Grade Level: 9 - 12

This course is a continuation of Symphonic Band 3. The emphasis is on concert performance. Students receive small group instruction and experience in playing superior chamber music and wind band literature. Their program of study stresses the value of music as a leisure time activity. Students may be offered opportunities for important leadership positions. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Any third level Instrumental Music course and Instructor approval

Title: Symphonic Band 1

Course Number: 459973CW

Unit Credit: 1

Grade Level: 9 - 12

This course emphasizes basic musicianship and performance techniques on individual woodwind brass and percussion instruments. Students concentrate on developing technique breath control tone quality range and proper posture. Students participate in small and large ensembles in which quality traditional and contemporary literature reinforce important musical concepts. The major emphasis of this course is on traditional concert literature. Students will have the opportunity to perform as soloists and members of ensembles. PREREQUISITE: Participation in the middle school program or private study and teacher recommendation

Title: Chorus Ens 2

Course Number: 459983CW

Unit Credit: 1

Grade Level: 9 - 12

This course is a course for students with superior vocal talents. Students study either early music literature, vocal jazz, or popular music as indicated by class designation. They learn the elements of music, proper tone quality production, music reading, and vocal flexibility as it relates to style. The direction and emphasis of the course are determined by the instructor. PREREQUISITE: Any first level Vocal Performance course and teacher recommendation

Foreign Language

Title: French 1 CP

Course Number: 361107CW

Unit Credit: 1

Grade Level: 7 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: None

Title: French 2 CP

Course Number: 361207CW

Unit Credit: 1

Grade Level: 8 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: Successful completion of French 1

Title: French 3 H

Course Number: 361303HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of French 2 CP and teacher recommendation

Title: French 4 H

Course Number: 361403HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of French 3 Honors and teacher recommendation

Title: Spanish 1 CP

Course Number: 365107CW

Unit Credit: 1

Grade Level: 7 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: None

Title: Spanish 2 CP

Course Number: 365207CW

Unit Credit: 1

Grade Level: 8 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

PREREQUISITES: Successful completion of Spanish 1

Title: Spanish 3 H

Course Number: 365303HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 2 CP and teacher recommendation

Title: Spanish 4 H

Course Number: 365403HW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate mid to high range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture. PREREQUISITES: Successful completion of Spanish 3 Honors and teacher recommendation

Title: AP Spanish Language

Course Number: 367505AW

Unit Credit: 1

Grade Level: 9 - 12

This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the intermediate high to advanced low range on the ACTFL Proficiency scale. Students in the AP Language and Culture course demonstrate an understanding of the culture(s), incorporate interdisciplinary topics (Connections), make comparisons between the native language and the target language and between cultures (Comparisons), and use the target language in real-life settings (Communities). Students are required to take the corresponding AP exam in May. PREREQUISITE: Successful completion of Spanish 4 Honors and teacher recommendation ; IB schools refer to IB Matriculation Chart

Physical Education

Title: PhysicalEducation1

Course Number: 344101CW

Unit Credit: 1

Grade Level: 8 - 12

Physical Education 1 provides opportunities for students to become competent and proficient in two movement forms elected from a variety of choices (selected from: net/racket, target, team, outdoor pursuits, individual, and dance). Students will also be able to design and develop a personalized physical fitness program, participate regularly in health-enhancing physical activity beyond the physical education class, and meet the gender and age group health-related physical fitness standards. PE 1 is required for graduation. PREREQUISITE: None

Title: Weightlifting 1

Course Number: 344201CW

Unit Credit: 1

Grade Level: 9 - 12

This is an introductory elective course in weight training and fitness. Skills will be taught with a focus on weight training, related cardiovascular fitness activity, and lifelong fitness. Proper lifting technique and safety using weights will be emphasized. This course does not take the place of PE 1 as a requirement for graduation. PREREQUISITE: Physical Education 1A and Teacher recommendation

Title: Weightlifting 2

Course Number: 344213CW

Unit Credit: 1

Grade Level: 9 - 12

Weightlifting Level 1 and Instructor Approval

Title: Adv Weightlifting 3

Course Number: 344249CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Advanced Weightlifting Level 2 for the intermediate athlete who wishes to increase his/her speed, conditioning, strength, and endurance. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Advanced Weightlifting Level 2, Active participation on any school-based JV or V sport, AD signature

Title: Weightlifting 3

Course Number: 344289CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to the Weightlifting Level 2 for students who are interested in increasing their strength and skills in weightlifting. This course does not take the place of PE 1 as a requirement for graduation. PREREQUISITE: Weightlifting 2 and Instructor Approval

Title: Leisure Sports/Act 1

Course Number: 344301CW

Unit Credit: 1

Grade Level: 9 - 12

This elective is designed to teach skills necessary to enjoy a lifetime of activity in sports that will enhance the student's health and personal fitness. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Physical Education 1A and Teacher recommendation

Title: Team Sports 1

Course Number: 344401CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed to enhance the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: PE 1A, Active participation on any school-based JV or V sport, AD signature

Title: Team Sports 2

Course Number: 344413CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Team Sports Level 1 for the student who wishes to increase the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Team Sports Level 1, Active participation on any school-based JV or V sport, AD signature

Title: Team Sports 3

Course Number: 344425CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Team Sports Level 2 for the student who wishes to increase the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Team Sports Level 2, Active participation on any school-based JV or V sport, AD signature

Title: Team Sports 4

Course Number: 344437CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is a follow-up to Team Sports Level 3 for the student who wishes to increase the skills necessary to compete in a variety of athletic events on the high school level. This course does not take the place of the required PE 1 for graduation. PREREQUISITE: Team Sports Level 3, Active participation on any school-based JV or V sport, AD signature

Career and Technology

Title: GoogleApplications

Course Number: 500700CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the student to the many applications that Google offers. Students will be prepared for learning and working in the 21st century through communication and collaboration tools. PREREQUISITE: Keyboarding or keyboarding proficiency

Title: IntComputerApps1

Course Number: 502001CW

Unit Credit: 1

Grade Level: 9 - 12

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. This course will meet the computer science requirement. PREREQUISITE: Keyboarding or documented skill proficiency

Title: WebPageDesign1

Course Number: 503101CW

Unit Credit: 1

Grade Level: 9 - 12

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 Web site using authoring tools. Successful completion of this course will prepare the student to take industry certification test(s). This course will meet the computer science requirement. PREREQUISITE: Key or documented skill proficiency and Computer Apps or Integrated Business Apps 1

Title: Personal Finance

Course Number: 513101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the student to basic financial literacy skills which includes budgeting, obtaining credit, maintaining checking accounts, analyzing the basic elements of finance, computing payroll, recording business transactions, and applying computer operations to financial management. PREREQUISITE: None

Title: VirtualEnterprise1A

Course Number: 515001CW

Unit Credit: 1

Grade Level: 9 - 12

Virtual Enterprise is part of a national curriculum called Virtual Enterprises International and the South Carolina Virtual Enterprises Network that allows students to experience within a simulated business environment all facets of being an employee in a firm. The program allows students to run simulated offices in their schools and engage in virtual trading with other practice firms. Currently, more than 3,600 virtual enterprises in over thirty-six countries are part of the International Practice Enterprise Network. The program provides students with interdisciplinary instruction and an in-school work experience to develop school-to-career skills. VIRTUAL ENTERPRISE CLASSES CAN ONLY BE TAUGHT BY A CERTIFIED VIRTUAL ENTERPRISE TEACHER WHO HAS COMPLETED THE PRESCRIBED COURSE OF STUDY. PREREQUISITE: Keyboarding or documented skill proficiency and Comp Apps or Integrated Comp Apps

Title: FoundationsAnimation

Course Number: 535001CW

Unit Credit: 1

Grade Level: 9 - 12

This course 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. Animated Computer Production examines the features of Macromedia's popular Flash software that is becoming the professional standard for producing high-impact websites using movie graphics and sound. Students create and modify movies using objects, graphics, sound, animation, and special effects. They also publish for the web. PREREQUISITE: Multimedia or Web Design or Digital Imaging

Title: Entrepreneurship

Course Number: 540001CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of marketing, staffing, and financial considerations. PREREQUISITE: Keyboarding Rec

Title: Sports/EntertainMktg

Course Number: 542501CW

Unit Credit: 1

Grade Level: 9 - 12

This program is for students who wish to pursue careers in the various areas of the sports industry. This includes careers in box office, group sales, public sales, marketing, operations, development and sports programming. PREREQUISITE: None

Title: Intro to EMS

Course Number: 553001CW

Unit Credit: 1

Grade Level: 10 - 12

Introduction to Emergency Medical Services (EMS) is designed to introduce students to the emergency medical field. Through classroom and laboratory instruction, students will gain knowledge in medical, legal and ethical issues; safety and infection control; personal wellness; disaster preparedness; and hazardous materials recognition and response. PREREQUISITE: None

Title: Health Science 1

Course Number: 555088CW

Unit Credit: 1

Grade Level: 10 - 12

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

Title: SportsMedicine1

Course Number: 555501CW

Unit Credit: 1

Grade Level: 9 - 12

Sports Medicine 1 emphasizes the prevention of athletic injuries, including the components of exercise science, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter will also include discussion of legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course. PREREQUISITE: Alg 1 or Alg I CP Part B and biology

Title: Principles BioMed Science

Course Number: 558001CW

Unit Credit: 1

Grade Level: 9 - 12

This course provides an introduction to the biomedical sciences through exciting hands-on projects and problems. Student work involves the study of human medicine, research processes and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Key biological concepts including homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Geometry and Biology

Title: Human Body Systems

Course Number: 558195HW

Unit Credit: 1

Grade Level: 9 - 12

Students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health. Using real-world cases, students take the role of biomedical professionals and work together to solve medical mysteries. Hands-on projects include designing experiments, investigating the structures and functions of body systems, and using data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Important concepts covered in the course are communication, transport of substances, locomotion, metabolic processes, defense, and protection. PREREQUISITE: Princ Biomedical Sci

Title: Medical Interventions

Course Number: 558201CW

Unit Credit: 1

Grade Level: 9 - 12

Student projects investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. The course explores the design and development of various medical interventions, including vascular stents, cochlear implants, and prosthetic limbs. In addition, students review the history of organ transplants and gene therapy, and stay updated on cutting-edge developments via current scientific literature. Using 3D imaging, data acquisition software, and current scientific research, students design a product that can be used as a medical intervention. PREREQUISITE: Human Body Systems

Title: Princ of Engineering

Course Number: 605001CW

Unit Credit: 1

Grade Level: 9 - 12

This course provides hands-on exploratory experiences related to the fields of engineering. A two-student team will complete 8 modules consisting of 20 activities each. This modular setup exposes the student to engineering principles while requiring the students to maintain journals, organize their work, solve problems and complete a design project for each module. This course must be taught by a teacher who has received Project Lead the Way training. This course will meet the required computer science unit. PREREQUISITE: Teacher Rec

Title: Intro Eng Design

Course Number: 605101CW

Unit Credit: 1

Grade Level: 9 - 12

A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. This setup exposes the student to engineering principles while requiring the students to maintain journals, organize their work, solve problems and complete a design project for each module. This course must be taught by a teacher who has received Project Lead the Way training. This course will meet the required computer science unit.

PREREQUISITE: Teacher Rec

Title: Comp Integ Manf H

Course Number: 605301HW

Unit Credit: 1

Grade Level: 9 - 12

This is an honors-level course that applies principles of robotics and automation. CAD design The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included. This course must be taught by a teacher who has received Project Lead the Way training. This course will meet the required computer science unit. PREREQUISITE: Successful completion of Introduction to Engineering Design and/or Principles of Engineering or Teacher rec

Title: Eng Design & Develop H

Course Number: 605401HW

Unit Credit: 1

Grade Level: 9 - 12

This is an honors-level engineering research course in which students work in teams to research, design and construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses and are guided by a community mentor. They must present progress reports, submit a final written report and defend their solutions to a panel of outside reviewers at the end of the school year. This course must be taught by a teacher who has received Project Lead the Way training. This course will meet the required computer science unit. PREREQUISITE: Successful completion of Introduction to Engineering Design and/or Principles of Engineering or Teacher rec

Miscellaneous

Title: Drivers Education

Course Number: 370100CH

Unit Credit: 0.5

Grade Level: 9 - 12

This elective course is for all eligible South Carolina high school students who are physically fit and of legal driving age. The driver education course includes a minimum of 30 classroom hours of instruction, six hours of behind-the-wheel driving, and six hours of observation. Fees apply for students enrolling in Drivers Education PREREQUISITE: None

Title: Air Force JROTC 1

Course Number: 375113CW

Unit Credit: 1

Grade Level: 9 - 12

The first year introduces the cadet (student) to the Air Force (AF) JROTC program which fosters values of citizenship and leadership by honing skills in self-discipline, self-confidence, teamwork, and character development. Curriculum consist of 40% aerospace science (AS), 40% leadership education (LE), and 20% health/wellness (HW) studies/activities. The AFJROTC Dept may blend AS 100/200/220/300/400/410 and LE 100/200/300/400/500 materials, combine classes and/or rotate courses to maximize participation. The 1st year JROTC course satisfies PE 1 graduation requirements. Co-curricular activities include field trips, drill team, color guard, and military ceremonies/balls/dinners, etc. Uniforms, books, and HW uniforms are provided and cadet uniform wear is a mandatory weekly requirement. Cadets are not in the military nor have any military obligation. PREREQUISITE: None

Title: Air Force JROTC 2

Course Number: 375213CW

Unit Credit: 1

Grade Level: 9 - 12

The second year of the AFJROTC program fosters additional values of citizenship and leadership by honing skills in self-discipline, self-confidence, teamwork, and character development at a higher level in rank/responsibility. Curriculum consist of 40% aerospace science (AS), 40% leadership education (LE), and 20% health/wellness (HW) studies/activities. The AFJROTC Dept may blend AS 100/200/220/300/400/410 and LE100/200/300/400/500 materials, combine classes and/or rotate courses to maximize participation. Co-curricular activities include field trips, drill team, color guard, and military ceremonies/balls/dinners, etc. Uniforms, books, and HW uniforms are provided and cadet uniform wear is a mandatory weekly requirement. Cadets are not in the military nor have any military obligation. PREREQUISITE: C or higher in a JROTC I class and SASI recommendation

Title: Air Force JROTC 3

Course Number: 375313CW

Unit Credit: 1

Grade Level: 9 - 12

The third year of the AFJROTC program fosters additional the values of citizenship and leadership by honing skills in self-discipline, self-confidence, teamwork, and character development at a higher level in rank/responsibility. Curriculum consist of 40% aerospace science (AS), 40% leadership education (LE), and 20% health and wellness (HW) studies/activities. The AFJROTC Dept may blend AS 100/200/220/300/400/410 and LE 100/200/300/400/500 materials, combine classes and/or rotate courses to maximize participation. Co-curricular activities include field trips, drill team, color guard, and military ceremonies/balls/dinners, etc. Uniforms, textbooks, and HW uniforms are provided and cadet uniform wear is a mandatory weekly requirement. Cadets are not in the military nor have any military obligation.

PREREQUISITE: C or higher in a JROTC II class and SASI recommendation

Title: Air Force JROTC 4

Course Number: 375413CW

Unit Credit: 1

Grade Level: 9 - 12

The fourth year of the AFJROTC program fosters additional values of citizenship and leadership by honing skills in self-discipline, self-confidence, teamwork, and character development at a higher level in rank/responsibility. Curriculum consist of 40% aerospace science (AS), 40% leadership education (LE), and 20% health and wellness (HW) studies/activities. The AFJROTC Dept may blend AS 100/200/220/300/400/410 and LE 100/200/300/400/500 materials, combine classes and/or rotate courses to maximize participation. Co-curricular activities include field trips, drill team, color guard, and military ceremonies/balls/dinners, etc. Uniforms, textbooks, and HW uniforms are provided and cadet uniform wear is a mandatory weekly requirement. Cadets are not in the military nor have any military obligation.

PREREQUISITE: C or higher in JROTC III class and SASI recommendation

Title: Leadership

Course Number: 379934CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course deals with developing skills in effective communication, identifying the rights and responsibilities of citizenship and learning the information necessary to organize, conduct, and participate in meetings. In addition, the characteristics of effective leadership will be studied and developed by participation in educational, civic, and social activities. Student leaders, as well as those interested in becoming leaders, are encouraged to enroll in this course. PREREQUISITE: Teacher recommendation

Title: Freshman Success

Course Number: 379949CW

Unit Credit: 1

Grade Level: 9 - 12

This elective course is designed to give the student an extensive orientation to high school and to provide the student with the necessary knowledge skills and resources to have a rewarding and successful high school experience. In addition to the orientation to high school, major topics will include: classroom procedures and management, self-awareness, goal setting, time management, conflict resolution, communication skills, study habits, and test-taking strategies. Students will also spend time studying their career planners (sent from the middle schools), planning future course selection and discussing career plans. PREREQUISITE: None

Title: LeadershipPersDev 3

Course Number: 379976CW

Unit Credit: 1

Grade Level: 9 - 12

In this elective class students participate in daily activities related to one of five dimensions: character education, service learning, literacy and study skills, personal and post-secondary planning. These activities are tailored specifically to eleventh graders and include continued development of leadership and communication skills, ACT and SAT test preparation, and a class-selected service learning project. Guest speakers, classroom guidance, and field trips are also part of the curriculum. PREREQUISITE: None

Title: LeadershipPersDev 2

Course Number: 379979CW

Unit Credit: 1

Grade Level: 9 - 12

In this elective class students participate in daily activities related to one of five dimensions: character education, service learning, literacy and study skills, personal and post-secondary planning. These activities are tailored specifically to tenth graders and include development of leadership skills, HSAP test preparation, and participation in a class-selected service learning project. Guest speakers, classroom guidance, and field trips are also part of the curriculum. PREREQUISITE: None

Title: LeadershipPersDev1

Course Number: 379980CW

Unit Credit: 1

Grade Level: 9 - 12

In this elective class students participate in daily activities related to one of five dimensions: character education, service learning, literacy and study skills, personal and post-secondary planning. These activities are tailored specifically to ninth graders and include goal setting, end-of-course test preparation, participation in a class-selected service learning project, and freshman success activities. Guest speakers, classroom guidance, and field trips are also part of the curriculum. PREREQUISITE: None

Title: ESOL 1 Assistance

Course Number: 379994CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed for the student who has a primary language other than English. Instruction will be provided in the areas of listening, speaking, reading, writing, and comprehension to assist students in classrooms where English is the language of instruction. Students will receive skills to aid in the transition to all academic areas, as well as help in the preparation for high school formal tests. Limited English proficiency should be determined by an approved language assessment instrument. PREREQUISITE: Guidance Placement

Career Center

Title: Intro Teaching 1A

Course Number: 570306CD

Unit Credit: 2

Grade Level: 10 - 12

Introduction to Teaching Level 1 is designed to prepare students for employment and/or postsecondary opportunities in the education field. The program provides instruction in the teaching profession, communication skills, human growth and development, planning and instructional strategies, and school-societal relationships. Technology is integrated throughout the course work. PREREQUISITE: Child Development 1 and/or 2

Title: Intro Teaching 2A

Course Number: 570406CD

Unit Credit: 2

Grade Level: 10 - 12

Introduction to Teaching Level 2 is an advanced level course that builds on skills developed in Introduction to Teaching Level 1. Students develop a higher level of proficiency through authentic learning experiences. Students plan engaging lessons, enhance communication and presentation skills, explore school-societal relationships, and exhibit professionalism. Technology is integrated throughout the course work. PREREQUISITE: Intro to Teaching 1B

Title: Fashion Dsg/Const 1A

Course Number: 571006CD

Unit Credit: 2

Grade Level: 10 - 12

This course is designed to give students a foundation for careers in Fashion Design and Apparel Construction. Content addressed includes safety, career pathways, textiles, fashion design, employability, apparel construction, consumer behavior, and the fashion industry. Emphasis is placed on the development of problem-solving, decision-making, and technological applications in a real-world context. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Clothing & Textiles 1 and 2 or Tchr Rec

Title: Fashion Dsg/Const 2A

Course Number: 571130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Fashion Dsg/Const 1B. PREREQUISITE: Fashion Dsg/Const 1B

Title: Culinary Arts 1A

Course Number: 572006CD

Unit Credit: 2

Grade Level: 10 - 12

Culinary Arts serves as the introduction to the study of the food service industry. Students who enjoy working with food and are willing to study and practice the techniques of cooking will have greater success at employment upon completion. All aspects of the industry and potential careers, equipment use and upkeep, food preparation and service, food storage, ordering, and work simplification are covered in this program. Students will receive practical and theoretical experiences so that competence in each area will be obtained. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Culinary Arts 1B

Course Number: 572018CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Culinary Arts 1A. PREREQUISITE: Culinary Arts 1A

Title: CulinaryArts2A

Course Number: 572198HD

Unit Credit: 2

Grade Level: 10 - 12

Culinary Arts serves as the introduction to the study of the food service industry. Students who enjoy working with food and are willing to study and practice the techniques of cooking will have greater success at employment upon completion. All aspects of the industry and potential careers, equipment use and upkeep, food preparation and service, food storage, ordering, and work simplification are covered in this program. Students will receive practical and theoretical experiences so that competence in each area will be obtained. This course is offered only at a GCS career center. PREREQUISITE: Culinary Arts 1B

Title: CulinaryArts2B

Course Number: 572199HD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Culinary Arts 2A. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Culinary Arts 2A

Title: Auto Coll Tech 1

Course Number: 602006CD

Unit Credit: 2

Grade Level: 10 - 12

The Automotive Collision Repair Technology program is designed to prepare students to repair automobiles and light commercial vehicles under the supervision of an experienced automotive collision repair technician. Automotive collision repair technology students receive instruction in frame alignment, surface finishing, and shop management. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Auto Coll Tech 2

Course Number: 602130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Auto Coll Tech 1. PREREQUISITE: Auto Coll Tech 1

Title: Automotive Tech 1

Course Number: 603006CD

Unit Credit: 2

Grade Level: 10 - 12

The Automotive Technology program is designed to prepare students to perform routine maintenance and service on all types of automobiles under the supervision of an experienced automotive technician. Automotive technology students receive instruction in safety, troubleshooting, and repair of engines and electrical systems as a foundation. Special emphasis is given to the established competencies based on the ASE/NATEF task list. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Automotive Tech 2

Course Number: 603130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Automotive Tech 1. PREREQUISITE: Automotive Tech 1

Title: Automotive Tech 3

Course Number: 603298HD

Unit Credit: 2

Grade Level: 9 - 12

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster. The Automotive Technology program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster. Automotive Tech 2 is a pre-requisite for this course.

Title: Automotive Tech 4

Course Number: 603398HD

Unit Credit: 2

Grade Level: 9 - 12

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Transportation, Distribution and Logistics career cluster. The Automotive Technology program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills and occupation-specific skills, and knowledge of all aspects of the Transportation, Distribution and Logistics career cluster. Automotive Tech 3 is a pre-requisite for this course.

Title: Digital Art Design 1A

Course Number: 612007CD

Unit Credit: 2

Grade Level: 10 - 12

This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE:

Title: DigitalArtDesign 2A

Course Number: 612130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Advertising Design 1B. PREREQUISITE: Advertising Design 1B

Title: Cosmetology 1

Course Number: 615006CD

Unit Credit: 2

Grade Level: 10 - 12

The Cosmetology program is designed to prepare students to qualify for licensing examinations. Cosmetology students receive training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair shaping, hair styling, setting, waving, hair coloring, and shampoos and rinses. Care of skin and nails includes manicuring and pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry bacteriology and anatomy and physiology of the face, head, arms and hands is incorporated by means of both theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B & Biology

Title: Cosmetology 2

Course Number: 615130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Cosmetology 1. PREREQUISITE: Cosmetology 1

Title: Cosmetology 3

Course Number: 615298HD

Unit Credit: 2

Grade Level: 9 - 12

The Cosmetology Program is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation Cosmetology Board. The course of study includes Sanitation and Safety, Professionalism and Salon Management, Sciences of Cosmetology, Professional Hair Care Skills, Professional Nail Care Skills, Professional Skin Care Skills, and Unassigned Specific Needs. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and of practical application on both mannequins and live models. Cosmetology 2 is a pre-requisite for this course.

Title: Cosmetology 4

Course Number: 615398HD

Unit Credit: 2

Grade Level: 9 - 12

The Cosmetology Program is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation Cosmetology Board. The course of study includes Sanitation and Safety, Professionalism and Salon Management, Sciences of Cosmetology, Professional Hair Care Skills, Professional Nail Care Skills, Professional Skin Care Skills, and Unassigned Specific Needs. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated by means of theory and of practical application on both mannequins and live models. Cosmetology 3 is a pre-requisite for this course.

Title: Nail Tech 1

Course Number: 615407CD

Unit Credit: 2

Grade Level: 10 - 12

The Nail Technology program is designed to prepare students to take the national certification exam. Nail Technology students receive training in the art and science of the care and beautification of nails. The course of study includes instruction in diseases and disorders, chemistry, biology, and anatomy and physiology of the arms, hands, and feet. Manicures, pedicures, tips, sculptures, and wraps are incorporated by means of theory and practical application on both mannequins and live models. Also included in the course of study is salon planning and management. Forty hours of classroom instruction are required before students receive practical, hands-on opportunities to apply skills. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Tchr Rec

Title: Nail Tech 2

Course Number: 615531CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Nail Tech 1. PREREQUISITE: Nail Tech 1

Title: Barbering 1

Course Number: 615806CD

Unit Credit: 2

Grade Level: 10 - 12

The Master Hair Care Specialist Program is designed to prepare students to become Registered Barbers or Master Hair Care Specialists. Students will perform techniques and arts such as hair cutting and styling, facial treatments, trimming and shaving of facial hair, chemical hair relaxing, tinting, coloring, shampooing, and rinsing. On completion of the 1500 course hours, students will be eligible to take the state board exam to receive licensure. PREREQUISITE: None

Title: Barbering 2

Course Number: 615930CD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Barbering 1. PREREQUISITE: Barbering 1.

Title: Machine Tech 1

Course Number: 623006CD

Unit Credit: 2

Grade Level: 10 - 12

The Machine Technology program is designed to prepare student to perform entry-level machine shop tasks under the supervision of an experienced machinist. Machine Technology student receives training on a variety of metal shaping machines used in the machining industry. Included in the course of study is instruction related to machining, precision measurement, industrial shop safety, shop drawings, and mathematics. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Teacher Rec

Title: Machine Tech 2

Course Number: 623130CD

Unit Credit: 2

Grade Level: 10 - 12

This course is a continuation of Machine Tech 1. PREREQUISITE: Machine Tech 1

Title: Machine Tech 3

Course Number: 623298HD

Unit Credit: 2

Grade Level: 9 - 12

Machine Technology prepares individuals to apply technical knowledge and skills to fabricate and modify metal parts in support of other manufacturing, repair, or design activities, or as an independent business. Machine Tech 2 is a pre-requisite for this course.

Title: Machine Tech 4

Course Number: 623398HD

Unit Credit: 2

Grade Level: 9 - 12

Machine Technology prepares individuals to apply technical knowledge and skills to fabricate and modify metal parts in support of other manufacturing, repair, or design activities, or as an independent business. Machine Tech 3 is a pre-requisite for this course.

Title: Welding Technology 1

Course Number: 634006CD

Unit Credit: 2

Grade Level: 10 - 12

The Welding Technology program is designed to prepare students to perform entry-level welding tasks under the supervision of an experienced certified welder. Welding students receive training in gas and electric welding. Included in the course of study is instruction related to blueprint reading, properties of metal, and safety. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Welding Technology 2

Course Number: 634130CD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Welding Technology 1. PREREQUISITE: Welding Technology 1

Title: Welding Technology 3

Course Number: 634298HD

Unit Credit: 2

Grade Level: 9 - 12

Welding Technology prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. Welding 2 is a pre-requisite for this course.

Title: Welding Technology 4

Course Number: 634398HD

Unit Credit: 2

Grade Level: 9 - 12

Welding Technology prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. Welding 3 is a pre-requisite for this course.

Title: Law Enforce Sv 1A

Course Number: 651006CD

Unit Credit: 2

Grade Level: 10 - 12

In these courses, students will study the police, the courts, and the corrections systems tracing their development from the past to the present. Also covered are the related emergency service fields. Students will learn the functions of police, crime scene search and evidence processing, arrest procedures, and other law related procedures. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: N/A

Title: Law Enforce Sv 1B

Course Number: 651018CD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Law Enforce Sv 1A. PREREQUISITE: Law Enforce Sv 1A

Title: Law Enforce Sv 2A

Course Number: 651198HD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Law Enforcement Services 1B. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Law Enforcement Services 1B

Title: Law Enforce Sv 2B

Course Number: 651199HD

Unit Credit: 2

Grade Level: 10 - 12

This is a continuation of Law Enforcement Services 2A. Students in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more difficult and complex material. PREREQUISITE: Law Enforcement Services 2A

Title: Fire Fighter 1

Course Number: 651401CD

Unit Credit: 2

Grade Level: 10 - 12

This course is based on the learning objectives listed in IFSTA's Essentials of Fire Fighting, 6th Edition (2013), Stillwater, OK: Fire Protection Publications, Oklahoma State University. These objectives have been further modified by the South Carolina Fire Academy to meet the needs of the South Carolina fire service. Course completion alone does not meet the criteria for achieving national certification for Fire Fighter I. National-level firefighter certification testing is separate. The National Fire Protection Association (NFPA) establishes minimum standards for various levels of fire service certification. Requirements for meeting NFPA 1001 (2013), Standard for Fire Fighter Professional Qualifications, can be viewed online at NFPA.org.

Title: Fire Fighter 2

Course Number: 651501CD

Unit Credit: 2

Grade Level: 11 - 12

This course is based on the learning objectives listed in IFSTA's Essentials of Fire Fighting, 6th Edition (2013), Stillwater, OK: Fire Protection Publications, Oklahoma State University. These objectives have been further modified by the South Carolina Fire Academy to meet the needs of the South Carolina fire service. Course completion alone does not meet the criteria for achieving national certification for Fire Fighter I. National-level firefighter certification testing is separate. The National Fire Protection Association (NFPA) establishes minimum standards for various levels of fire service certification. Requirements for meeting NFPA 1001 (2013), Standard for Fire Fighter Professional Qualifications, can be viewed online at NFPA.org.

Title: Aircraft Maintenance 1

Course Number: 699408ED

Unit Credit: 2

Grade Level: 10 - 12

In these courses all students gain the knowledge and experience necessary to make structural repairs to aircraft skins and frame. The student will learn to identify sheet metal materials and hardware, operate sheet metal tools and equipment, and layout and bend typical sheet metal parts. Students will also be able to install and remove conventional rivets, blind fasteners, and special fasteners such as Dzus, Airlocs, and Camlocs. In addition, students will be able to use manufacturer's drawings or blueprints to build parts, show how to locate manufacturer's technical data to classify and get approval for repairs, and repair skins, structural, and metal stringer damage. These courses are dual credit courses with Greenville Technical College. This program is only taught on a Greenville Tech campus. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Aircraft Maintenance 2

Course Number: 699420ED

Unit Credit: 2

Grade Level: 10 - 12

In these courses all students gain the knowledge and experience necessary to make structural repairs to aircraft skins and frame. The student will learn to identify sheet metal materials and hardware, operate sheet metal tools and equipment, and layout and bend typical sheet metal parts. Students will also be able to install and remove conventional rivets, blind fasteners, and special fasteners such as Dzus, Airlocs, and Camlocs. In addition, students will be able to use manufacturer's drawings or blueprints to build parts, show how to locate manufacturer's technical data to classify and get approval for repairs, and repair skins, structural, and metal stringer damage. These courses are dual credit courses with Greenville Technical College. This program is only taught on a Greenville Tech campus. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Aircraft Maintenance 3

Course Number: 699432ED

Unit Credit: 2

Grade Level: 10 - 12

In these courses all students gain the knowledge and experience necessary to make structural repairs to aircraft skins and frame. The student will learn to identify sheet metal materials and hardware, operate sheet metal tools and equipment, and layout and bend typical sheet metal parts. Students will also be able to install and remove conventional rivets, blind fasteners, and special fasteners such as Dzus, Airlocs, and Camlocs. In addition, students will be able to use manufacturer's drawings or blueprints to build parts, show how to locate manufacturer's technical data to classify and get approval for repairs, and repair skins, structural, and metal stringer damage. These courses are dual credit courses with Greenville Technical College. This program is only taught on a Greenville Tech campus. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. PREREQUISITE: Alg 1 or Alg 1 CP Part B

Title: Aircraft Maintenance 4

Course Number: 699444ED

Unit Credit: 2

Grade Level: 10 - 12

In these courses all students gain the knowledge and experience necessary to make structural repairs to aircraft skins and frame. The student will learn to identify sheet metal materials and hardware, operate sheet metal tools and equipment, and layout and bend typical sheet metal parts. Students will also be able to install and remove conventional rivets, blind fasteners, and special fasteners such as Dzus, Airlocs, and Camlocs. In addition, students will be able to use manufacturer's drawings or blueprints to build parts, show how to locate manufacturer's technical data to classify and get approval for repairs, and repair skins, structural, and metal stringer damage. These courses are dual credit courses with Greenville Technical College. This program is only taught on a Greenville Tech campus. This course is offered only at a GCS career center. Student must apply through admission process. See counselor at the high school or the career center for information. **PREREQUISITE:** Alg 1 or Alg 1 CP Part B