Greenville Technical Charter High School

2026-2027 Course Guide

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Principal's Message

Dear Parents and Students,

Greenville Technical Charter High School offers unique opportunities for students who are mature and self-motivated to earn transferable college credits while in high school. We offer an academically challenging curriculum in a small, nurturing environment with a strong emphasis on mastery learning. Because we are committed to all students being college and career ready, our course selections are designed with that in mind. This course catalog provides information to assist you in selecting the most rigorous and appropriate coursework; it also contains consistent and clear guidelines to ensure all students will be successful. Please read the descriptions carefully and choose classes wisely. While this catalog contains an abundance of information, please do not hesitate to contact our school counselors if you have any questions.

My top priority is to ensure that all of our students reach their highest potential. On behalf of our faculty, staff, and board, I want to wish you a successful high school career. Please let me know if there is anything I can do to assist you.

Sincerely,

Dr. Rhonda Gregory

Dr. Rhonda Gregory
Principal

Introduction

Greenville Technical Charter High School (GTCHS) is a middle college program residing on the Barton Campus at Greenville Technical College, which is one of the largest institutions of higher education in the state of South Carolina. At GTCHS, a student accepts rigor as the main focus of high school, expects to attend college for training or a degree, has reached the maturity and skill level required to begin taking college courses, has reached a developmental level that allows independent work, and seeks to learn and grow.

Planning Your Education

This curriculum guide is provided to assist students and parents in planning their high school course of study. Students and parents should carefully consider selections and reflect on specific outcomes in mind.

- Is the student planning to attend a two- or four-year college?
- Is the student planning to enter the military or the work force upon graduation?

A successful student will plan courses based on goals that have been discussed with parents and a counselor. Students are encouraged to carefully select courses during the registration process that meet their post-secondary goals as well as requirements for South Carolina high school graduation.

Registration & Course Requests

Students will register for courses during their Individual Graduation Plan meeting with their counselor. During the IGP, students and parents will discuss current course progress and create a plan to meet career goals and graduation requirements.

The course plan created during the IGP meeting will be entered into PowerSchool to create the master schedule. Parents and students should understand that requesting a course does not guarantee that the student will be placed in the course for the next school year. Final placement in a course is dependent upon enrollment, scheduling feasibility, and teacher allocation.

Classes are scheduled based upon student course 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 important that students list alternatives in case of class conflicts. In addition, be aware that GTCHS builds a master schedule and employs teachers based on students' requests; therefore, schedule changes after the set deadlines will only be considered on a very limited basis. Deadlines are posted to all students via email, school web site, and e-news.

Please note that changes may occur to college registration due to class conflicts or changes within the college schedule. Should an issue arise with a student's college schedule, the student will be notified via email over the summer prior to the start of the semester.

South Carolina Graduation Requirements & Unit Requirements for Grade Advancement

Since the fall of 1988, public higher education institutions in South Carolina have required that applicants for admissions must have completed certain high school courses before being admitted. The required courses are as follows:

State Diploma Requirements

24 Units are required to obtain a SC HS Diploma	
English	4 Units
Math	4 Units
Science	3 Units
US History	1 Unit
Economics	0.5 Unit
Government	0.5 Unit
Other Social Studies	1 Unit
PE or ROTC	1 Unit
Computer Science	1 Unit
Foreign Language or Occupational Specialty	1 Unit
Personal Finance	0.5 Unit
Electives	6.5 Units

Unit Requirements for Grade Advancement

Grade 9
Successful Completion of 8th 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 & 2, two units of mathematics, one science, and six other units)
Grade 12
17 units (must include English 1, 2 & 3, three units of mathematics, two units of science, and nine other units)

In addition to these state requirements, GTCHS requires all students to complete a senior capstone project and a course in financial literacy prior to graduation.

College Admission Requirements

College admissions may have additional requirements beyond the high school graduation requirements. Students who plan to attend a 4-year public or private institution should refer to the college admissions website for a list of course requirements. In addition to course requirements, colleges review the high school GPA and class rank as well as College Entrance Examination scores such as the SAT or ACT.

SC Commission on Higher Education
College Preparatory Course Prerequisite Requirements
for Entering College Freshmen

English	4 Units	All four units must have strong reading (including works of fiction and non-fiction), writing, communicating, and researching components. It is strongly recommended that students take two units that are literature based, including American, British, and World Literature.
Mathematics	4 Units	These units must include Algebra 1, Algebra 2, and Geometry. A fourth higher level mathematics unit should be taken before or during the senior year
Laboratory Science	3 Units	Two units must be taken in two different fields of physical, earth, or life sciences and selected among biology, chemistry, physics or earth science. The third unit may be from the same field as one of the first two units (biology, chemistry, physics, or earth science) or from any laboratory science for which biology, chemistry, physics, and/or earth science is a prerequisite. Courses in general or introductory science for which one of these four units is not a prerequisite will not meet with requirement. It's strongly recommended that students desiring to pursue careers in science, mathematics, engineering, or technology take one course in all four fields: biology, chemistry, physics, and earth science.
Foreign Language	2 Units	Two units of the same foreign language with heavy emphasis on language acquisition.
Social Science	3 Units	One unit of U.S. History, a half unit of Economics, and a half unit of Government are required. World History or Geography is strongly recommended.
Electives		Two units must be taken as electives. A college preparatory course in Computer Science (i.e., one involving significant programming content, not simply keyboarding or using applications) is strongly recommended for this elective. Other acceptable electives include college preparatory courses in English; fine arts; foreign languages; social science; humanities; mathematics; physical education; and laboratory science (courses for which biology, chemistry or earth science is a prerequisite).
Physical Education or ROTC	1 Unit	One unit of physical education that includes one semester of personal fitness and another semester in lifetime fitness. Exemption applies to students enrolled in Junior ROTC and for students exempted because of physical disability or for religious reasons.
Fine Arts	1 Unit	One unit in appreciation of, history of, or performance in one of the fine arts. This unit should be selected from among media/digital arts, dance, music, theater, or visual and spatial arts.

South Carolina Uniform Grading Scale

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

10-point grading scale

Numerical Average	Letter Grade	College Prep Weighting	Honors Weighting	Extended Quality Points*
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000

Numerical Average	Letter Grade	College Prep Weighting	Honors Weighting	Extended Quality Points*
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100
0-50	F	0.000	0.000	0.000
50	WF	0.000	0.000	0.000
50	FA	0.000	0.000	0.000
-	WP	0.000	0.000	0.000
-	P	0.000	0.000	0.000
-	NP	0.000	0.000	0.000
-	AU	0.000	0.000	0.000

**Credit for a high school course will be awarded for a grade of 75 or above. A score below 75 will result in no credit for that course.

**Credit for a dual credit course will be awarded for a grade of "C" (i.e., 75) or above. A score below a "C" will result in no credit for that course.

**Per SC Uniform Grading Policy: When dual credit course final grades are reported numerically, the exact numerical grade will display on the high school transcript with associated weighted GPA points. When dual credit course final grades are reported as a letter grade, the mid-point numerical grade (A=95, B=85, C=75, D=65, F=50) will display on the high school transcript with the associated weighted GPA points.

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

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

Guidelines for Courses

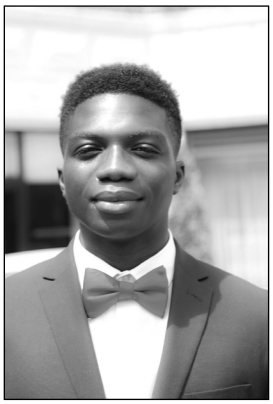
(Based on the Uniform Grading Policy and GTCHS Charter)

- Students are not allowed to take the same course twice. The only exception is if a student earned below a 75 in that course. If the student chooses to retake the course, the student must do so within a year. A 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 the grade earned. In this case, the higher grade will be used in calculating the student's GPA, and both attempts will be reported on the high school transcript.
- 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 practice, forensic tournaments, or student council activities.
- Students are not allowed to earn a Carnegie unit for being a teacher's aide except for the science lab assistant and the media center specialist's assistant.
- 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. Teachers of these courses are required to make site visits and keep appropriate documentation on each student.

Curriculum Guide Key:

DC or DE - Dual Credit or Dual Enrollment
H - Honors
CP - College Preparatory

GTCHS Grading & Course Mastery



Mastery learning proposes that all children can learn when provided with the appropriate learning conditions in the classroom. At GTCHS, students are provided with multiple methods, opportunities, and extended time (through Office Hours, Friday Work Session, and WIN time) if needed to achieve mastery. Mastery learning is not the process of simply recalling content, but of mastering it. This type of learning works best with the traditional content-focused curriculum, one based on well-defined learning objectives organized into smaller, sequentially organized units. To facilitate mastery learning, our teachers incorporate project-based learning strategies, re-learning opportunities, and interactive teaching strategies that emphasize reading, writing, and inquiry skills. GTCHS requires students to have a grade of 75. Students with grades below 75 will also be required to have an academic intervention plan to ensure they are receiving appropriate support and taking advantage of all learning opportunities.

Mastery Learning Scale

95-100	Excellent	75-84	Proficient
85-94	Mastery	< 75	Not Met

Individual Graduation Planning & Registration Guidelines for Current Students

Beginning with juniors in November, GTCHS students and parents will be scheduled for an Individual Graduation Plan meeting with their school counselor to discuss the following:

- Current Course Progress
- South Carolina & GTCHS Graduation Requirements
- Career Planning and Pathway Options at GTCHS
- Post-secondary Options
- ACT & SAT
- GTCHS Course Planning
- Dual Credit Planning
- Registration for the following academic year

All students and parents will receive a Google Calendar invite. Please contact the School Counseling Department for more information.

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Connect with us!

Website: https://tinyurl.com/gtchsguidance

Registration Guidelines

Core Academic Requirements	All students will register for 4 core classes in the subjects of English, math, science, and social studies every year at GTCHS.

Course Minimums	• **Freshmen** - 8 Courses
	  • 4 core courses, Physical Education, Freshman Success and 2 additional electives.
	• **Sophomores** - 8 Courses
	  • Students taking dual credit courses must take a semester minimum of 7 courses.
	• **Juniors** - 7 Courses
	  • Students taking dual credit courses must take a semester minimum of 6 courses.
	  • Juniors may have 1 late arrival or early dismissal period.
	  • Juniors may register for Personal Finance. This is a GTCHS graduation requirement in addition to a state requirement. .
	• **Seniors** - 6 Courses
	  • Students taking dual credit courses must take a minimum of 5 courses.
	  • Seniors may have 2 late arrival or early dismissal periods.
	  • All seniors are required to take Senior Project and Personal Finance (if not taken junior year).

Honors Level Courses	• Honors level courses are accelerated courses. Students must maintain an 85 average to continue in honors level courses. • Consideration for honors placement for ninth grade is based on current course progress, previous honors work, and standardized test scores. • No parent override will be accepted for honors placement. • Prerequisites for honors level courses are listed with course descriptions.
End of Course Examinations	The South Carolina End of Course Examination Program (EOCEP) requires students to take an end of year examination in the following courses: Algebra 1 English 2 Biology US History & Constitution or after the completion of HIS-201 and HIS-202 The EOCEP will count 20% of the student's final grade in the course.
End of Year Course Request Review	Course requests discussed during the IGP will be reviewed at the end of the school year along with final grades. Course requests may be changed if any of the following pertain: • the prerequisite was not met • failure in a high school level course • failure in a college level course A review will also be completed for rising ninth grade requests.

GTCHS Athletics

GTCHS follows rules set forth by the South Carolina High School League Handbook. In addition to the SCHSL requirements, GTCHS athletes must maintain a minimum of 75% in all classes throughout the athletic season.

A student falling below 75% in any class is required to attend office hours, WIN time, and Friday work session. In addition, the student athlete will be suspended from participating in games until the grade reflects 75% or higher. If at any time a student is failing three or more courses, then the student will meet with the athletic director to determine the best course of action to help determine success.

For more information, please visit the GTCHS website at www.gtchs.org and download the Athletics Handbook.

NCAA Eligibility

Core Courses	• 4 English Courses (1 per year) • 4 Math Courses (1 per year) • 4 Science Courses (1 per year) • 4 Social Science Courses (1 per year)
Division I	To play sports at a Division I school you must graduate from high school and meet ALL of the following requirements: • Complete 16 NCAA core courses. • Complete 10 NCAA core courses, including seven in English, math, or natural/physical science, before your seventh semester. • Earn at least a 2.3 GPA in your NCAA core courses.
Division II	To play at a Division II school, you must graduate from high school and meet ALL of the following requirements: • Complete 16 NCAA core courses. • Earn at least a 2.2 GPA in your NCAA core courses.
Registration & Resources	For more information and to register with the NCAA Eligibility Center visit: www.eligibilitycenter.org
Credit Recovery	**Credit recovery courses are not accepted for NCAA eligibility.**

GTCHS Summer School Information

Students falling below proficiency (75%) in any course at the end of the academic year will be required to enroll in summer school.

GTCHS will host credit recovery for those students having a final grade between 70 and 74 in any of the courses below.

English 1, 2, 3, 4	US History	Government/Economics
Algebra 1	Geometry	Algebra 2
Biology	Chemistry	Physical Science

Summer courses through GTCHS will be taken as credit recovery. Students will be required to complete seat time and all coursework through APEX. Upon successful completion, students will earn a "P" for passing the course. A credit recovery course does not impact a student's GPA. A student's transcript will reflect all courses taken and grades earned.

Students may take a maximum of two courses during summer school credit recovery. Registration is held each year in May, and students are responsible for the cost of the courses they are taking. Details for credit recovery will be available during the later part of spring semester.

Students with a grade below 70% will need to repeat the full course. During your IGP meeting, your counselor will discuss all options regarding summer school placement.

Registration Guidelines for New Freshmen

During the new student intake meeting, registration materials will be distributed to students and parents so that registration can be completed online.

GRADE 9 OVERVIEW

- All ninth-grade students will register for a total of 4 core courses (English, math, science, and social studies) Freshman Success and Physical Education, 2 additional electives, and 3 alternates.

GRADE 9 CORE COURSES

- Core courses will be assigned by the administration team after review of current course performance as well as current and historical test scores such as MAP and SC Ready.
- Honors level courses are accelerated courses. Students on an honors course path in middle school should continue this advanced pathway if they meet prerequisites.
- No parent override of any prerequisite will be accepted.
- Students taking courses for a Carnegie unit in middle school may retake the course(s) during their ninth-grade year only.

GRADE 9 ELECTIVES

- Elective courses should be selected using the online registration form.
- Students are required to take Freshmen Success and Physical Education.
- Students should sign up for an additional 2 units of electives.
- Students should also select 3 alternate electives.

If you have any questions regarding registration, please contact one of the school counselors.

Disclaimer

Greenville Technical Charter High School has made every effort to ensure the information provided in your course catalog is accurate and follows all state statutes and regulations. However, there may be legislative changes that could negate or alter the implementation of the programs and/or courses described.

College Registration
Middle College Handbook

- Sophomore, Junior, and Senior students at GTCHS have the opportunity to enroll in Greenville Technical College classes each fall, spring, and summer. Students must meet all requirements prior to the registration period that includes qualifying ACCUPLACER scores and course prerequisites. In addition, students must be in good academic standing, (passing all high school classes) and have completed all required steps by the deadline indicated by the GTCHS School Counseling Department.
- Students enrolling in college classes should not only be strong academically, but also demonstrate strong study, organizational, and time-management skills as well as responsibility and perseverance.
- Please understand a student selecting to take a college course(s) must complete the required online college registration by the deadline set by the GTCHS School Counseling Department. If a student fails to complete college registration on time, the course requests will be deleted, and the student will be enrolled in a high school course at GTCHS.
- GTC courses run on a semester schedule. You will need to sign up for college classes each semester. Registration deadlines and directions are emailed to students. Deadlines are posted in the Weekly Warrior.

Term	Registration Deadline
Fall & Summer Semesters	March
Spring Semester	October

- Sophomore students can take 2 GTC courses each semester.
  - Junior students can take 3 GTC courses each semester.
  - Senior students can take 4 GTC courses each semester.
  - Summer Max - 2 courses for rising juniors and seniors.

Dual Credit Placement Examination

ACCUPLACER is a suite of tests that determine your knowledge in math, reading, and writing as you prepare to enroll in college level courses. It is used to identify your strengths and weaknesses in each subject area. Students can access information about ACCUPLACER and download a free web-based study app through www.accuplacer.org. ACCUPLACER results are used to determine eligibility for dual enrollment courses.

Current Underclassmen	All current students will take ACCUPLACER during freshman year. Results and dual credit placement will be reviewed during the IGP.
Upperclassmen	Students who need to retake a portion of ACCUPLACER can do so prior to the deadline as indicated by the school counseling department. Scores and eligibility will be reviewed during the IGP.

Course Descriptions

ENGLISH

English 1 CP

Prerequisite: None — Credit: 1.00

English 1 is a study in key elements found in literary genres of drama, poetry, and fiction as well as informational texts. The goal for students is to master key writing, reading, and research standards. Students will demonstrate proficiency in reading comprehension, critical thinking, writing, the writing process, and research. The course is designed to begin to prepare students for College and Career readiness as required by the South Carolina State Standards.

English 2 CP

Prerequisite: English 1 CP — Credit: 1.00

English 2 introduces literary and informational texts that create awareness and appreciation of cultural diversity. The goal for students is to refine key writing, reading, and research skills. The course is designed to prepare students for College and Career readiness as required by the South Carolina State Standards and the End of Course exam, which will count for 20% of the final grade.

English 2 Honors

Prerequisite: 85% or higher in English 1 Honors — Credit: 1.00

English 2 Honors introduces students to a survey of World Literature, ancient to modern, and International Informational Texts. The goal for students is to refine key literary skills to prepare for the rigor of college courses. The course is guided by the South Carolina State Standards and also designed to prepare students for the End of Course exam, which will count for 20% of the final grade.

English 3 CP

Prerequisite: English 2 CP — Credit: 1.00

English 3 surveys American Literature from pre-colonial days to the present and introduces literary and informational texts reflecting a broad range of writing. Major emphasis is placed on literary analysis and writing. Research skills are studied to help prepare the students for research papers, SAT/ACT assessments, and Senior Project. The course is based on the SC State Standards and designed to prepare students for the rigor of College and Career.

English 3 Honors

Prerequisite: 85% or higher in English 2 Honors — Credit 1.00

English 3 Honors 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. Major emphasis is placed on literary analysis and writing skills. The course is designed to prepare students for the rigor of college classes and is based on the South Carolina State Standards for College and Career Readiness and college coursework.

English 4 CP

Prerequisite: English 3 CP | Credit: 1.00

English 4 focuses on the chronological study of British literature and its cultural and historical influences. The course introduces literary and informational texts reflecting a broad range of writing and is designed to further develop students' writing skills through logical organization, effective style, literary analysis, and research. The course is designed for students to master South Carolina State Standards for College and Career Readiness and college coursework.

Creative Writing

Prerequisite: None | Credit. 0.50

Creative Writing is designed for students interested in writing and expression and includes an in-depth study of the various forms of poetry, short story, drama, fiction, and non-fiction. The writing process will be analyzed during these studies. The majority of class time will be spent writing and editing their own creative works and experimenting with various forms of expression. Students should enjoy reading and writing as well as be self-motivated to meet deadlines. Creative Writing part A focuses on poetry. Part B focuses on prose. English Elective.

Film Criticism

Prerequisites: None | Credit: 0.50

This elective course will introduce students to the film industry and the history of cinema through the study of classic and contemporary films. Emphasis will be placed on exposing the class to a wide variety of styles and genres as well as formulating and justifying criticisms of the works. Hands-on projects, written analyses, and participation in class discussions will be requirements for successful completion of the course. English Elective.

Speech

Prerequisite: None | Credit: 0.50

Speech & Communication is for students who wish to learn the art of public speaking through an active participation program and prepare for competitive speaking and debating. The improvement of student's skill in speaking, listening, composing, and reasoning through practical experiences and applications is a key goal. English Elective.

Yearbook Production

Prerequisite: Application & Teacher Recommendation | Credit: 1.00

Yearbook is designed to provide initial exposure to yearbook production skills and sound journalistic principles. The program focuses on journalistic writing skills and information gathering techniques. The course will introduce students to concepts of design and photojournalism. English Elective.

Literacy Strategies

Co-requisite: English 2 Credit: 1.00

Literacy Strategies is a course focused specifically on strengthening reading and writing skills. Students will learn to use critical reading strategies that help them to better interpret, analyze, and evaluate information as well as fundamental writing skills such as grammar, sentence structure, organization, and the writing process. Specific emphasis will be given to preparing for the English 2 End-of-Course exam as well.

Dual Credit - English 101

Prerequisite: English 3, Accuplacer Scores & Counselor Recommendation Credit: 1.00

ENG 101 is a college-level course that is the first part of a two-part sequence. The course focuses on significant literary works and writers of American, British, and world literature as they reflect the currents of historical and modern thought and culture. Emphasis will be placed on writing, dramatic and argumentative presentations, various composition techniques, journal writing, and literary analysis. Counselor recommendation is based on prior performance in English courses at GTCHS and teacher input.

Dual Credit - English 102

Prerequisite: English 101 Credit 1.00

ENG 102 is a college-level course that continues and expands on the content taught in ENG 101. 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.

Dual Credit Note

Students that meet qualifications and prerequisites can enroll in an English course at the college. Course descriptions and prerequisites can be found in the course catalog on the Greenville Technical College website. Students will need to complete enrollment paperwork for GTC by the deadlines set by the GTCHS School Counseling Department.

MATHEMATICS

Algebra 1 CP

Prerequisite: Geometry with Statistics | Credit: 1.00

Algebra 1 builds essential concepts necessary for students to meet their post-secondary goals, whether they pursue additional study or enter the workforce. It is one of the most common types of mathematics because it is valuable in a range of activities from ordinary decision making to advanced training in scientific and technological fields. The standards and indicators in the course are sorted within the strands of Data, Probability, and Statistical Reasoning; Measurement, Geometry, and Spatial Reasoning; Numerical Reasoning; and Patterns, Algebra, and Functional Reasoning. The study of algebra is linked to the study of functions, which are fundamental objects in mathematics that model many life situations involving change. TI-83 or TI-84 graphing calculators are strongly recommended as part of instruction and assessment. Students will take the SC EOC Algebra 1 exam, which will count for 20% of the final grade.

Algebra 2 with Probability CP

Prerequisite: Algebra 1 CP or H | Credit: 1.00

Algebra 2 with Probability is a course designed for students seeking access to higher levels of mathematics after completing Geometry and Algebra 1. Course standards include the following categories: Data, Probability, and Statistical Reasoning, Measurement, Geometry, and Spatial Reasoning, Numerical Reasoning, and Patterns, Algebra, and Functional Reasoning. The course serves to deepen understanding and intuition about a wide variety of functions such as polynomial, rational, radical, exponential, and piecewise through graphical investigations of comparing functions, analyzing rates of change, and determining solutions of "real world" problems at a higher conceptual level than can be achieved algebraically. To increase students' understanding of the parent functions, the course also includes the study of complex numbers, matrices, and probability. The use of a graphing calculator or a computer algebra system will enable students to visualize mathematics and increase their conceptual understanding.

Algebra 2 with Probability Honors

Prerequisite: 85% or higher in Algebra 1 Honors | Credit: 1.00

Algebra 2 with Probability Honors students study all topics included in Algebra 2 with Probability CP. They also study additional topics including operations with complex numbers, rational and logarithmic functions, and composition of functions. The course serves to deepen understanding and intuition about a wide variety of functions such as polynomial, rational, radical, exponential, and piecewise with through graphical investigations comparing functions, analyzing rates of change, and determining solutions of "real world" problems at a higher conceptual level than can be achieved algebraically. To increase students' understanding of the parent functions, the course also includes the study of complex numbers, matrices, and probability. The use of a graphing calculator or a computer algebra system will enable students to visualize mathematics and increase their conceptual understanding.

Calculus Honors

Prerequisite: 85% or higher in Pre-Calculus Honors | Credit: 1.00

Honors Calculus is a rigorous, in-depth course covering the basic concepts of calculus. Calculus brings together many of the concepts and procedures from algebra, geometry and trigonometry. The focus in the first half of the year will be on functions, limits and differential calculus with an emphasis on real world problems in the areas of related rates, optimization, and motion. The focus in the second half of the year will be on integral calculus with applications that include finding areas enclosed by the graphs of functions, finding the volumes of shapes defined by functions and calculating quantities by integrating derivative functions. A TI-84 or TI-83 graphing calculator is strongly recommended.

Geometry with Statistics CP

Prerequisite: 8th grade math | Credit: 1.00

Geometry with Statistics is a newly designed course that builds on the students' experiences in the middle grades. The course builds essential concepts necessary for students to meet their post-secondary goals and develop mathematical knowledge and skills through visual representations prior to the more abstract development of algebra. Beginning high school mathematics with Geometry with Statistics offers students the opportunity to build their reasoning and sensemaking skills, see the applicability of mathematics, and prepare more effectively for further studies in algebra. The course also focuses on statistics in analyzing data, which provides students with tools to describe, show, and summarize data in the world around them. The course focuses on standards focused on Data, Probability, and Statistical Reasoning, Measurement, Geometry, and Spatial Reasoning, Numerical Reasoning, and Patterns, Algebra, and Functional Reasoning.

Geometry with Statistics Honors

Prerequisite: Placement determined by prior grades and standardized test scores | Credit: 1.00

The Geometry Honors course investigates the properties of two- and three-dimensional figures, addressing the relationships between segments, points, planes, triangles, quadrilaterals, polygons, and circles. Various applications include, but are not limited to area, surface area, volume, transformations, similarity, and congruency of geometric figures. Problem solving and logic are emphasized throughout the course. It will move at an accelerated pace with an emphasis on problem solving skills and higher-level thinking. This course will also provide a more in-depth study of proofs, triangle, and angle relationships, and real-world applications of Geometry.

Pre-Calculus CP

Prerequisite: Algebra 2 CP | Credit: 1.00

This course focuses 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, complex exponential, logarithmic, and trigonometric functions. Other topics studied are conic sections, parametric equations, vectors and polar curves. Using graphing calculators, students will engage in problem solving, decision making, critical thinking, and applied learning. The goal is to provide students with the mathematical skills and conceptual understanding necessary for them to further their education or to pursue mathematics-related technical careers.

Pre-Calculus Honors

Prerequisite: 85% or higher in Algebra 2 Honors | Credit: 1.00

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. Precalculus Honors students will be required to work with more intensity and at a deeper level, covering a wider range of more complex and difficult material. A variety of instructional methods and tools will be used to enhance student learning. Pre-Calculus Honors will include a study of the following topics: Introduction to Trigonometry, Application of Trigonometry to Triangles, Graphing Trigonometric Functions, Exponential and Logarithmic Functions, Rational and Radical Functions, Limits and Matrices. Students will engage in problem solving, decision making, critical thinking and applied learning. The goal is to provide students with mathematical skills and conceptual understanding to further their education at the university level and to apply to their careers.

Applications and Modeling

Prerequisite: Algebra 1 | Credit: 1.00

Applications and Modeling is a newly designed, specialized mathematics course developed to expand on and reinforce the concepts introduced in Geometry with Statistics and Algebra 1 by using those concepts to represent and analyze data and make predictions and inform judgments about real-world phenomena. Topics include Data, Probability, and Statistical Reasoning, Measurement, Geometry, and Spatial Reasoning, Numerical Reasoning, and Patterns, Algebra, and Functional Reasoning. The course is designed to engage students in doing, thinking about, and discussing mathematics, statistics, and modeling in everyday life. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and career-based decision making. In this course, students explore decision making for financial planning and management, design in three dimensions, interpret statistical studies, and create functions that model problems faced by society. Measurements are taken from the real world, and technology is used extensively for computation, with an emphasis on students' interpretation and explanation of results in context.

Math Strategies

Co-Requisite: Algebra 1 CP, Algebra 2 CP, or Geometry CP | Credit: 1.00

This course is an elective math course and is designed for students enrolled in Algebra 2 CP or Geometry CP whose historical grades, MAP scores, and standardized test scores demonstrate a need for additional support. Students enrolled in Math Strategies will receive a math elective unit of credit.

Statistical Modeling

Prerequisite: Algebra 2 | Credit: 1.00

Statistical Modeling is a newly designed course that extends the students' understanding of statistics. This course offers students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Using technology, they will become skilled in the statistical inquiry process of developing relevant statistical questions, collecting the associated data, analyzing that data , and interpreting their results.

Dual Credit - College Algebra w/ Modeling (MAT 109)

Prerequisite: Algebra 2, ACCUPLACER, & Counselor Recommendation — Credit: 1.00

This course is an approach to algebra that incorporates mathematical modeling of real data and business applications. Emphasis on linear, quadratic, piece-wise defined, rational, polynomial, exponential and logarithmic functions. This course includes inequalities and matrices. Recommended for non-engineering/science/technology majors. Counselor recommendation is based on prior performance in math courses at GTCHS and teacher input.

Dual Credit - College Algebra (MAT 110)

Prerequisite: Algebra 2, ACCUPLACER & Counselor Recommendation — Credit: 1.00

Polynomial, rational logarithmic and exponential functions, inequalities, systems of equations and inequalities, matrices, determinants, simple linear programming, solutions of higher degree polynomials, combinatorial algebra including the binomial theorem and introduction to probability. This course is designed for engineering and science majors. Counselor recommendation is based on prior performance in math courses at GTCHS and teacher input.

Dual Credit - Prob & Stats (MAT 120)

Prerequisite: Algebra 2, ACCUPLACER & Counselor Recommendation — Credit: 1.00

Introductory probability and statistics including organization of data, sample space concepts, random variables, counting problems, binomial and normal distributions, central limit theorem, confidence intervals and tests of hypotheses for large and small samples; types I and II errors; linear regression; and correlation. Counselor recommendation is based on prior performance in math courses at GTCHS and teacher input.

Dual Credit Note

Students that meet qualifications and prerequisites can enroll in a math course at the college. Course descriptions and prerequisites can be found in the course catalog on the Greenville Technical College website. Students will need to complete enrollment paperwork for GTC by the deadline set by the GTCHS School Counseling Department.

SCIENCE

Biology 1 CP	Lab Science
Prerequisite: Have earned a high school unit of math	Credit: 1.00

Biology 1 is the study of life- living organisms and their characteristics. An investigation of how all living organisms interact with each other, their surroundings, and the environment will be conducted. Students will learn how scientists work through the scientific method, look at problems objectively, and make informed decisions concerning biological issues. Students are expected to use technology throughout the course, particularly interactive, dynamic software, and web-based programs. The course will include inquiry-based instruction, allowing students to become independent learners who engage in problem-solving, decision-making, and critical thinking. Students will take the SC EOC Biology 1 exam, which will count for 20% of the final grade.

Biology 1 Honors	Lab Science
Prerequisite: 85% or higher in an honors level high school math	Credit: 1.00

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. This course emphasizes higher level analysis and application of the scientific method. Students will take the SC EOC Biology 1 exam, which will count for 20% of the final grade.

Chemistry 1 CP	Lab Science
Prerequisite: Biology 1 CP and Algebra 1	Credit: 1.00

Chemistry 1 is the study of matter. The following topics covered in Physical Science will be briefly reviewed: atomic structure, names and formulas of atoms/compounds, and chemical reactions. Introductory chemistry will be focused on throughout the course, including mole-mass-volume relationships, gases, the periodic chart, electrons in atoms, bonds that hold atoms together, acids and bases, nuclear reactions, and with a lab component.

Chemistry 1 Honors	Lab Science
Prerequisite: 85% or higher in Biology 1 Honors and Algebra 1 Honors	Credit 1.00

This course is a prerequisite for Greenville Tech College Chemistry. This course is rigorous and demands a high level of abstract thinking, working with symbols, and application of knowledge to problem-solving. Students will study atomic structure, quantum mechanical theory, stoichiometry, solutions, bonding, shapes of molecules, gases, nuclear chemistry, acids and bases. The course contains a major laboratory component.

Integrated Science CP	
Prerequisite: None	Credit: 1.00

This course serves as a foundation for the study of physical and life science, with a focus on practical science and engineering. Inquiry based learning will be used through a variety of methods including labs, lab simulations, research opportunities, group and individual activities, and class seminars and discussions. The skills learned in this class will be utilized in all upper-level science classes.

Physics CP	Lab Science
Corequisite: Algebra 2 CP	Credit: 1.00

Physics is an introductory course in basic relationships of matter, light, and energy. Concepts covered include motion, force, energy, heat and thermal effects, fluids, electricity and magnetism, nuclear and atomic physics. Emphasis will be placed on the application of physical concepts to everyday life. Methods of instruction include lectures, demonstrations, and labs. This course is designed in part to prepare students for admission to a 4-year university program. Due to the mathematical nature of the course, it is strongly recommended that students be enrolled in or have completed Algebra 2.

Physics Honors	Lab Science
Prerequisite: 85% or higher in prior honors level science and math Corequisite: Algebra 2 Honors	Credit: 1.00

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; to work with more intensity, at a deeper level, and produce a wider range of more complex material.

Environmental Science CP	Lab Science
Prerequisite: Biology 1 CP	Credit: 1.00

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.

Marine Science Honors	Lab Science
Prerequisite: 85% or higher in Biology 1 Honors	Credit: 1.00

This honors-level course involves oceanographic studies with emphasis on geology and physiology of the ocean. Research on topics such as: overfishing, endangered species, legislation, environmental management of shorelines, etc. Students will have the opportunity to learn and research about the ocean through required readings and field studies. The South Carolina Commission on Higher Education accepts this course as a science course for college admission. 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.

Astronomy	Lab Science
Prerequisite: Biology 1 CP	Credit: 1.00

Semester one will concentrate on Stellar Astronomy which is a study of celestial objects beyond the solar system: stars, galaxies, constellations, black holes. The study and use of optical and radio telescopes, HST, IRAS will be included. Semester two will focus on the solar system including topics such as: motions, location within the galaxy, planets, satellites, sun, asteroids, meteors, comets, and exploration.

Meteorology	
Prerequisite: None	Credit: 0.50

Meteorology introduces the study of the weather including atmospheric properties and processes that control temperature, wind, precipitation, and storm systems. Extreme conditions (such as hurricanes, tornadoes, and floods), weather forecasting, air pollution, and climate change will also be discussed. Students will use the Internet and multimedia software to create projects.

Dual Credit - Biology 101	Lab Science
Prerequisite: HS Biology, ACCUPLACER & Counselor Recommendation	Credit: 1.00

This is the first of a sequence introducing biology. Topics include the scientific method, basic biochemistry cell structure and function, cell physiology, cell reproduction and development, mendelian genetics, population genetics, natural selection, evolution and ecology. Students should have completed the high school level equivalent. Counselor recommendation is based on prior performance in science courses at GTCHS and teacher input.

Dual Credit - Biology 102	Lab Science
Prerequisite: Biology 101	Credit: 1.00

A continuation of BIO 101 which includes classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized. Counselor recommendation is based on prior performance in science courses at GTCHS and teacher input.

Dual Credit - Chemistry 110	Lab Science
Prerequisite: HS Chemistry, ACCUPLACER, & Counselor Recommendation	Credit: 1.00

This is the first course in the sequence which includes the following topics: atomic and molecular structure, nomenclature and equations, properties, reactions and states of matter, stoichiometry, gas laws, solutions, equilibria, and nuclear chemistry. Students should have completed the high school level equivalent. Counselor recommendation is based on prior performance in science courses at GTCHS and teacher input.

Dual Credit - University Physics I - 221	Lab Science
Prerequisite: HS Physics, ACCUPLACER & Counselor Recommendation	Credit: 1.00

This is the first in a sequence in physics courses. This course includes calculus-based treatment of the following topics: vectors, laws of motion, rotation, vibratory and wave motion. Counselor recommendation is based on prior performance in science courses at GTCHS and teacher input.

Dual Credit Note:

Students that meet qualifications and prerequisites can enroll in a science course at the college. Course descriptions and prerequisites can be found in the course catalog on the Greenville Technical College website. Students will need to complete enrollment paperwork for GTC by the deadlines set by the GTCHS School Counseling Department.

SOCIAL STUDIES

Human Geography CP

Prerequisite: U.S. History and Constitution | Credit: 1.00

Human Geography is a standards-based course with a focus on the relationships between human culture and physical geography in order to examine how humans are shaped by the world and change it in turn. This course is designed to increase student understanding of the world and develop their critical thinking and literacy skills.

Human Geography Honors

Prerequisite: 85% or higher U.S. History and Constitution Honors | Credit: 1.00

Human Geography Honors is a standards-based course with a focus on the relationships between human culture and physical geography in order to examine how humans are shaped by the world and change it in turn. There is a focus on higher level thinking skills that will be practiced through multiple inquiry-based research topics that will expand student understanding of current events relating to human geography. This course is designed to increase student understanding of the world and develop their critical thinking and literacy skills.

U.S. History and Constitution CP

Prerequisite: Modern World History | Credit: 1.00

United States History is a survey course tracing the history of our country. The course focus from the period of colonial settlement to the present day. Topics include the establishment of the British colonies and the transfer of English political traditions, the creation of the US as a new nation, westward expansion, the American Civil War and Reconstruction, the response to Industrialization and urbanization of the late 19th Century, and the nation's developing role in world affairs in the 20th and 21st Centuries. Students must take the state-required end-of-course US History test as the final exam. It will count 20% of the final grade.

U.S. History and Constitution Honors

Prerequisite: 85% or higher in Modern World History Honors | Credit: 1.00

United States History and the Constitution is an in-depth survey course tracing the history of our country from the period of colonial settlement to the present day. Topics include the establishment of the British colonies and the transfer of English political traditions, the creation of the US as a new nation, westward expansion, the American Civil War and Reconstruction, the response to Industrialization and urbanization of the late 19th Century, and the nation's developing role in world affairs in the 20th and 21st Centuries. This course will entail a rigorous program of reading, research, and writing. It is strongly recommended that students have Honors English placement. Students must take the state-required end-of-course US History test as the final exam. It will count 20% of the final grade.

Modern World History CP

Prerequisite: Grade 8 Social Studies | Credit: 1.00

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 is integral to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people.

Modern World History Honors

Prerequisite: 85% or higher in English 1 Honors | Credit: 1.00

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 is integral to this course, which emphasizes why and how people, ideas, and technology have made an impact on diverse groups of people. Parallel readings, critical research, and authentic product and performance development will be a requirement. It is recommended students have Honors English placement.

U.S. Government

Prerequisite: Must be a senior | Credit: 0.50

US Government incorporates the structure, organization, and function of the American political system. Topics examined include Federalism, the structure/functions of the Federal, State, and Local (city and county) governments, civic responsibilities (voting and participating in political parties), and the role of government in the economy. Comparisons will be made between the American government and other political systems. U.S. Government is required for graduation.

U.S. Government Honors

Prerequisite: 85% or higher in previous honors history course, must be a senior | Credit: 0.50

U.S. Government Honors incorporates the structure, organization, and function of the American political system. Topics studied include foundations of the 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 the 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.

Economics CP

Prerequisite: Must be a senior | Credit: 0.50

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. Students will focus on basic economic principles, including the law of supply and demand, scarcity, the role of the marketplace, competition, and the economic role of the government. Money and banking, factors of production, consumer rights and responsibilities, and personal financial literacy will also be covered. Economics is required for graduation.

Economics Honors

Prerequisite: 85% or higher in previous honors history course, mut be a senior | Credit: 0.50

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.

History of World War II

Prerequisite: None | Credit: 0.50

World War II was the deadliest conflict in all of human history. Its legacy continues to influence internal relations, ideology, and economics today. This course focuses on the causes, events, and consequences of World War II. Students will examine the major battles, the central historical figures, as well as the experience of civilians and soldiers who participated at each level of the conflict. Independent research projects make up a major portion of the final grade. Students will be expected to read extensively in this course.

History of Post-War United States

Prerequisite: None | Credit: 0.50

This course will explore three decades of American History, the 1950s, 60s, and 70s. The main focus will be on the Civil Rights movement and Vietnam War, as well as their effects on American culture, society, and politics. Other topics include the Cold War, the growth of the CIA and FBI, the assassination of John F. Kennedy, the Manson family, the birth of Rock N Roll, and much more from one of the most interesting time periods in American History. Independent research projects make up a major portion of the final grade. Students will be expected to read extensively throughout this course.

Dual Credit - American History to 1877 (HIS 201)

Prerequisite: ACCUPLACER & Counselor Recommendation | Credit: 1.00

A survey of U.S. history from discovery to 1877. It includes political, social, economic and intellectual developments during this period. Students are required to take American History to Present following completion of this course. This course counts as part one of the required U.S. History & Constitution course.

Dual Credit - American History 1877 to Present (HIS 202)

Prerequisite: ACCUPLACER & Counselor Recommendation | Credit: 1.00

A survey of U.S. history from 1877 to the present. It includes political social economic and intellectual developments during this period. This is the second part of the required U.S. History & Constitution course. Upon completion students will sit for the SC End of Course Examination. This exam will count for 20% of the final grade in HIS 202.

Dual Credit - Western Civilization to 1689 (HIS 101)

Prerequisite: ACCUPLACER & Counselor Recommendation | Credit: 1.00

A survey of western civilization from ancient times to 1689, including the major political, social economic, and intellectual factors shaping western cultural tradition.

Dual Credit - Western Civilization post 1689 (HIS 102)

Prerequisite: ACCUPLACER & Counselor Recommendation | Credit: 1.00

A survey of western civilization from 1689 to the present, including major political, social, economic and intellectual factors which shape the modern western world.

Dual Credit - American Government (PSC 201)

Prerequisite: Senior, ACCUPLACER & Counselor Recommendation | Credit: 1.00

A study of national governmental institutions with emphasis on the constitution, the functions of executive, legislative, and judicial branches, civil liberties, and role of the electorate.

Dual Credit – Microeconomics (ECO 211)

Prerequisite: Senior, ACCUPLACER & Counselor Recommendation | Credit: 1.00

This course includes the study of the fundamental principles and policies of a modern economy to include markets and prices, national income accounting, cycles, employment theory and fiscal policy, banking and monetary controls, and the government's role in economic decisions and growth.

Dual Credit- Macroeconomics (ECO 210)

Prerequisite: Senior, ACCUPLACER & Counselor Recommendation | Credit: 1.00

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

Dual Credit Note:

Students that meet qualifications and prerequisites can enroll in a social studies course at the college. Course descriptions and prerequisites can be found in the course catalog on the Greenville Technical College website. Students will need to complete enrollment paperwork for GTC by the deadlines set by the GTCHS School Counseling Department.

CAREER & TECHNOLOGY EDUCATION (CTE)

Greenville Technical Charter High School offers students three different career program pathways. These include Business Information, Programming & Software Development, Web & Digital Communications, and Game and Interactive Media Design. Students must take all courses within the program to complete the career pathway. Upon completion, students may sit for industry certifications. Program pathways are as follows:

Career Cluster	Career Program	Courses
Information Technology	Programming & Software Development	Introduction to Computer Programming* Intermediate Computer Programming* Foundations of Animation Fundamentals of Web Page Design and Development* Game Design and Development* Entrepreneurship Work Based Learning Credit
Information Technology	Web & Digital Communications	Fundamentals of Webpage Design and Development* Advanced Webpage Design and Development* Introduction to Computer Programming Intermediate Computer Programming Foundations of Animation* Game Design and Development* Entrepreneurship Work Based Learning Credit
Information Technology	Game and Interactive Media Design	Foundations of Animation* Game Design and Development* Introduction to Computer Programming Fundamentals of Web Page Design and Development Entrepreneurship Work Based Learning Credit

*****_Indicates a required course for the pathway._

Foundations of Animation

Prerequisite: None | Credit: 1.00

Animation prepares students to use artistic and technological foundations to create animations. The basic principles of digital animation include character development and story conception through production. Students will learn the history of animation, the technical language used in the animation industry and basic animation methods. Students will be introduced to Adobe Animate, a 2D software program and Adobe Premiere video editing software program that will allow them to create various animation projects. 3D animation will be introduced and explored. They will also learn techniques about various ways to plan, create, and prepare for animation in pre-production, production and post-production. {**Meets computer science requirement.}**

Fundamentals of Web Page Design and Development

Prerequisite: None | Credit: 1.00

This course will guide students in the development of websites in a project-based, problem-solving environment. Students will learn basic scripting in languages such as HTML, CSS, and JavaScript in order to create websites that are well-organized, universally accessible, responsive, and easy to navigate. Students will learn the technological processes, requirements, and legal ramifications for publishing their websites. Students will use coding software such as Notepad ++ and Dreamweaver to create various web pages. Students will learn how to create a portfolio of content-rich, well-styled websites.
{Meets computer science requirement.}

Advanced Web Page Design and Development

Prerequisite: Fundamentals of Web Page Design or Instructor Approval | Credit: 1.00

This course will expand upon the fundamental skills of web design. Students will develop an in-depth understanding of HTML, CSS, JavaScript, layout techniques, and other industry-standard practices. They will create websites that are cleverly styled, well-organized, universally accessible, responsive, interactive, and easy to navigate. Students will keep a portfolio of their work, and the completion of this course will prepare students for industry certification.

Introduction to Computer Programming

Prerequisite: None | Credit: 1.00

Introduction to Computer Programming is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming using modern, text-based programming languages. The primary programming language that will be used is Python. **{Meets computer science requirement.}**

Intermediate Computer Programming

Prerequisite: Introduction to Computer Programming | Credit: 1.00

Intermediate Computing Programming is designed to expand upon the fundamental programming skills acquired in Introduction to Computer Programming. Topics include intermediate program design and development techniques, security and ethics, and practical experience in programming using a modern, text-based programming language.

Entrepreneurship

Prerequisite: None | Credit: 1.00

This course is designed to provide students with the knowledge and skills needed to develop an effective business plan for small business ownership. This course encompasses the incorporation of economics, ethics, legal aspects, logistics, research, staffing, strategies for financing, marketing, and technology.

Personal Finance

Prerequisite: Must be a junior or senior. Required course for graduation. | Credit: 1.00

Students will learn the importance of understanding how money works. The primary focus is understanding the budgeting process and how decisions affect budgets positively or negatively. Focus is placed on insurance, investments, wages and taxes, credit and loans, bank accounts and financial planning.

Advanced Personal Finance

Prerequisite: Must be a junior or senior. | Credit: 0.50

Advanced Personal Finance introduces students to the fundamentals of personal finance, which include budgeting, credit and lending processes, maintaining accounts, evaluating investments, managing financial risk, computing taxes, and analyzing the basic elements of finance. Students will be exposed to the tools and knowledge to make sound financial decisions for life.

Introduction to Aerospace

Prerequisite: None | Credit: 1.00

This introductory course will provide the foundation for advanced exploration in the areas of flying and unmanned aircraft systems. Students will learn about the engineering process, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will gain a historical perspective, starting from the earliest flying machines to the wide variety of modern aircraft and the integral role they play in making today's world work. Students will also be exposed to various career options in aviation and aerospace and take an in-depth look at the opportunities available. This course covers the following AOPA courses: Launching into Aviation and Exploring Aviation and Aerospace.

Aviation 1

Prerequisite: Introduction to Aerospace | Credit: 1.00

In this course, students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may operate one day. Students will begin by exploring the types of aircraft, how aircraft are made, and how they fly. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag. In the second semester, students will look in-depth at aircraft systems, including propulsion, electrical, and hydraulic systems. To fly an aircraft safely, students must also learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This course covers the following AOPA courses: Introduction to Flight, and Aircraft Systems and Performance.

Aviation 2

Prerequisite: Aviation 1 | Credit: 1.00

This course is foundational for the aspiring private-pilot. Topics include pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, emergency procedures, regulations, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision-making. At the end of this course, students will be prepared to complete the Federal Aviation Administration's Private Pilot Knowledge Test. This course covers the following AOPA courses: The Flying Environment, and Flight Planning.

Aerospace Capstone

Prerequisite: Aviation 2 | Credit: 1.00

The Aerospace Capstone course is the culmination of the student's learning experience throughout this pathway. Students will demonstrate their knowledge and apply what they have learned to subjects related to the pilot or remote pilot pathway, and students will advance their learning as they research and report on an approved aviation topic of their choosing. The goal of the research is to allow students an opportunity to practice STEM skills as they relate to flying. This course covers the following AOPA courses: Preflight Your Career and Pilot Capstone.

Work Based Learning

Prerequisite: Completion of CTE Program Required Courses | Credit: 1.00

Work Based Learning is a school coordinated, sponsored, coherent sequence of workplace experiences related to a student's career goals and/or interests, are based on instructional preparation, and are performed in partnership with local businesses, industries, or other organizations in the community. Work Based Learning enables students to apply classroom instruction in a real-world business or service-oriented work environment. Work Based Learning is the final course for a student to complete a CTE approved program.

Dual Credit: Teacher Cadet

Prerequisite: Junior or senior, at least a 3.0 unweighted GPA, enrolled in CP courses. Application required with teacher recommendations. | Credit 0.50

Teacher Cadet is a study of the history, development, organization, and practices of preschool, elementary, and secondary education. Students will have the opportunity to complete the field experience at the level of their choosing. Teacher cadet is a dual credit course. Students earn one Carnegie unit of high school credit and two hours of transferable college credit through Clemson University upon successful completion of their course.

FINE ARTS

Art 1 CP

Prerequisite: None | Credit: 1.00

Art 1 provides students with problem-solving experiences in two and three-dimensional media, emphasizing and focusing on the Elements of Design (line, shape, form, value, color, space, and texture), and Principles of Design, (Balance, Emphasis, Proportion, Rhythm, and Unity) While working to development basic skills of drawing from life and reference images.

Art 2 CP

Prerequisite: Art 1 | Credit: 1.00

Art 2 is the next level of Art for students to build upon their knowledge from Art 1. Art 2 will explore more, unique, and new mediums, more Art History, and dive deeper into the principles and elements of design, along with Gestalt Principles. This class has a higher level of difficulty of projects and helps lead towards more independent decisions and problem solving.

Visual Arts Portfolio 1 CP

Prerequisite: 90% or higher in Art 2 | Credit: 1.00

Visual Arts Portfolio is an advanced art designed specifically for students considering a career in visual areas/related fields or those with a strong appreciation of art and design. The course emphasizes individualized exploration of specific art problems and revolves around the production of a visual portfolio. The students will study Artists, techniques, and periods of art history in their fields of interest. They will build an online portfolio, keep up a professional sketchbook, and create 8 projects.

Visual Arts Portfolio 2 Honors

Prerequisite: 90% or higher in Visual Arts Portfolio 1 CP | Credit: 1.00

Visual Arts Portfolio 2 Honors is an advanced art course that emphasizes individualized exploration of a specific art career field. Students develop and maintain professional quality portfolios. This course prepares students for Advanced Placement studio courses, college applications, and more. 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. They will build an online portfolio, keep up a professional sketchbook, and create 10 projects.

Instrumental Music: Band 1

Prerequisite: Middle School Band, Private Study, and Teacher Recommendation | Credit: 1.00

Band 1 is for freshman and players of woodwind, brass, keyboard, and percussion instruments of the concert band. The course is a performing group preparing for concerts and also functioning as a Basketball Band. Guitar and bass players may audition. Class activities emphasize the development of instrument technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills.

Instrumental Music: Band 2 - 4

Prerequisite: Band 1 & Teacher Recommendation — Credit: 1.00

Band 2 through 4 are continuation levels for students who have successfully completed Band 1. These courses emphasize increasing 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. Emphasis is on the advancement of instrument technique, the further development of ensemble performance skills, and rehearsal and performance of intermediate level band music

Instrumental Music: Band Honors

Prerequisite: 95% or higher in Band CP, 85% or higher in Band honors — Credit: 1.00

Band Honors (for Band 2, 3 & 4) is an upper-level performance opportunity for accomplished wind and percussion players. Band Honors offers students great variety and challenge in musical performance, including experiences in chamber music, analysis, theory and history. Membership requires completion of requirements.

Instrumental Music: Guitar 1

Prerequisite: None — Credit: 1.00

Guitar 1 is the beginning and intermediate study of guitar technique will include classical and contemporary styles of music while using both standard and tablature musical notation. Students learn the fundamentals of music and how to advance in skill on the guitar. Basic chord harmony and music reading are emphasized along with guitar playing styles, technology, maintenance, and group playing.

Instrumental Music: Guitar 2

Prerequisite: 85% or higher in previous Band level or Guitar 1 — Credit: 1.00

Guitar 2 is the advanced study of guitar technique and will include classical and contemporary styles of music while using both standard and tablature musical notation. Students continue learning the skills needed to be a proficient guitar player. Students must have taken Guitar 1 with Mr. Marsh and have approval to move up to Guitar 2.

Orchestra/Strings 1

Prerequisite: Middle School Strings, Private Study, Teacher Recommendation — Credit: 1.00

Strings 1 emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation.

Orchestra/Strings 2

Prerequisite: Orchestra/Strings 1 Credit: 1.00

Strings 2 concentrates on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation.

Orchestra/Strings 3

Prerequisite: Orchestra/Strings 2 Credit: 1.00

This course is a supplementary experience for students with superior musical talents. This course emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation.

Orchestra/ Strings 4

Prerequisite: Orchestra/Strings 3 Credit: 1.00

This course is a supplementary experience for students with superior musical talents. This course emphasizes basic musicianship on individual strings or orchestra instruments. Students concentrate on developing technique, tone quality, range, and proper posture. Students receive concentrated instruction in performance techniques and have the opportunity to apply them through solo performance and chamber ensemble participation.

Theatre 1

Prerequisite: None Credit: 1.00

This course is designed to introduce students to the world of theatre. Students will explore theatre jobs such as scenic design, lighting design, sound design, and costume design. Students will study the history of theatre, and view performances representative of the various periods and styles of theatre. Students will also explore the techniques and skills actors employ daily and apply those same skills and techniques in class exercises. The course culminates each semester in a showcase in which students will share with an audience what they have learned.

Theatre 2

Prerequisite: Theatre 1 Credit: 1.00

This course provides students with the opportunity to develop their acting skills and techniques. Students will explore various techniques including pantomime, improvisation, movement, voice, and character development. Students will explore the role of director and playwright through project-based learning. Students will deepen their understanding of various theatre movements and how they impacted the actors on stage. The course culminates each semester in a showcase in which students will share with an audience what they have learned.

Theatre 3 & 4 Honors

Prerequisite: A grade of 95 or higher in Theatre 2 Credit: 1.00

This course is an advanced class designed to build upon past theatre education experiences and enhance students' skills in their areas of interest. Students will gain an in-depth understanding of various playwrights and plays that influenced and were influenced by the changing philosophies of their society. They will also deepen their knowledge of play development and performance techniques.

Technical Theatre 1

Prerequisite: None Credit: 1.00

This course allows students to explore theatre jobs such as scenic design, lighting design, sound design, prop design, make up design, and costume design. Students will begin with exploring how the various departments within professional theatre work together to create productions. Students will then explore the various theatre jobs and develop their skills in the areas of their interest through project-based learning. These experiences will include supporting the fall and spring productions sponsored by the Drama and Technical theatre Clubs, attending various field trips to local theatres, and serving on the design team and technical crew for the fall and spring theatre showcase performances.

Technical Theatre 2

Prerequisite: Technical Theatre 1 Credit: 1.00

In this course, students will deepen their understanding of scenic design, lighting design, sound design, prop design, make up design, and costume design. Students will explore various movements in theatre and how each of these elements of theatre is impacted. Students will develop their skills in the areas of their interest through hands-on learning experiences. These experiences will include supporting the fall and spring productions sponsored by the Drama and Technical theatre Clubs, attending various field trips to local theatres, serving at local community theatres, and serving on the design team and technical crew for the fall and spring theatre showcase performances.

Technical Theatre 3

Prerequisite: Technical Theatre 2 Credit: 1.00

In this course, students will deepen their understanding of scenic design, lighting design, sound design, prop design, make up design, and costume design. Students will explore various movements in theatre and how each of these elements of theatre is impacted. Students will develop their skills in the areas of their interest through hands-on learning experiences. These experiences will include supporting the fall and spring productions sponsored by the Drama and Technical theatre Clubs, attending various field trips to local theatres, serving at local community theatres, and serving on the design team and technical crew for the fall and spring theatre showcase performances.

Digital Media Arts

Prerequisite: None | Credit: 1.00

Digital Media Arts uses computers and related tools to create and modify music. Students study hardware and software used in the music industry by producers, composers, mixers, DJs, and performers. Topics include hip-hop and techno, recording and mixing live bands, playing the keyboard, and creating soundtracks for video.

Music Theory

Prerequisite: Guitar, Chorus, Band, Strings or Digital Media Arts, teacher recommendation | Credit: 1.00

This course instructs students in the basics of music theory and emphasizes reading music, scales, chords, inversions, keys, traditional harmony, ear training, sight singing, and dictation. Students will compose musical pieces and study basic keyboard skills.

FOREIGN LANGUAGE

Spanish 1 CP

Prerequisite: None | Credit: 1.00

Spanish 1 introduces students to the basic language and culture of the Spanish-speaking world. Language and culture are acquired through meaningful communicative activities centered on real-life situations involving everyday common topics. Students will use the target language to communicate and write in complete sentences in the present tense.

Spanish 2 CP

Prerequisite: Spanish 1 CP | Credit: 1.00

Spanish 2 is designed to build on the basic language, vocabulary and culture learned in Spanish 1. Students will use the target language to participate in class discussions, formal presentations, and acquire new information through authentic reading material. Students will be able to communicate and write in the present and past tenses. Students are required to read a chapter book in the target language and write multiple short essays.

Spanish 3 CP

Prerequisite: Spanish 2 CP | Credit: 1.00

Spanish 3 is designed to help build on the language and culture learned in previous courses. Students will participate and lead class discussions/debates, give formal presentations, acquire knowledge through authentic reading material and write essays in the target language using various tenses such as present, past, future, and conditional. Students will also explore the subjunctive mood. Students are required to read a Level 3, chapter book and communicate in the target language for 70% of the class.

Spanish 3 Honors

Prerequisite: 95 or higher in Spanish 2 CP | Credit: 1.00

Spanish 3 Honors is an accelerated course for students who plan to continue learning Spanish after high school. Students will participate and lead class discussions/debates, give formal presentations, acquire knowledge through authentic reading material and write essays in the target language using all tenses and moods. Students are required to read La Casa en Mango Street and a Level 3, chapter book while communicating in the target language for 90% of the class.

French 1 CP

Prerequisite: None | Credit: 1.00

French 1 is an introductory class which emphasizes communicating in three ways: understanding French when you read or hear it (interpretive communication), being able to present information in French either by speaking or writing it (presentational communication) and communicating with someone else in French (interpersonal communication). The goal is for students to understand and communicate about simple, everyday topics in each of the three modes guided by the learned vocabulary and support structures taught throughout the course. Language is presented within the context of the French speaking world with some emphasis on geography and culture of French speaking countries.

French 2 CP

Prerequisite: French 1 CP | Credit: 1.00

French 2 is designed to build on the basic language, vocabulary and culture learned in French 1. Students will use the target language to participate in class discussions, formal presentations, and acquire new information through authentic reading material. Students will be able to communicate and write in the present and past tenses. Students are required to read a chapter book in the target language and write multiple short essays.

French 3 CP

Prerequisite: French 2 CP | Credit: 1.00

French 3 is designed to help build language and culture learned in previous courses. Students will participate and lead class discussions/debates, give formal presentations, acquire knowledge through authentic reading material and write essays in the target language using various tenses such as present, past, future and conditional. Students are required to read a Level 3, chapter book and communicate in the target language 70% of the class.

Dual Credit Note:

Students that meet qualifications and prerequisites can enroll in a foreign language course at the college. Course descriptions and prerequisites can be found in the course catalog on the Greenville Technical College website. Students will need to complete enrollment paperwork for GTC. | Credit: 1.00

PHYSICAL EDUCATION

Physical Education 1

Required course for freshmen students. Credit: 1.00

Physical Education will teach the importance of staying physically fit through a series of weight training and aerobic activities. Activities will include softball, soccer, flag football, ultimate Frisbee, tennis, basketball, volleyball, badminton, track, touch rugby, etc. Students will gain an understanding of offensive and defensive strategies, fair competition, sportsmanship, and sporting rules. This course includes Comprehensive Health Education. Physical Education 1 is required for graduation.

Strength Training

Prerequisite: Physical Education 1 Credit: 0.5

This course continues to build on the foundation of the fundamental lifts and exercises that were taught in Introduction to Strength Training by incorporating more advanced lifts and techniques, as well as requiring students to design a workout program that is specialized to meet their individual needs.

Team Sports

Prerequisite: Physical Education 1 Credit: 1.00

This elective course is designed to teach students a variety of team sports while enhancing personal and social behaviors. The course is also designed to elicit opportunities to advance individual skill levels. They will also be guided through a program that will improve their personal fitness level. Throughout the course, there will be various assignments about sports, their role in society, and knowledge of rules and regulations.

Team Sports

Prerequisite: Physical Education 1 Credit: 0.50

This elective course is designed to teach students a variety of team sports while enhancing personal and social behaviors. The course is also designed to elicit opportunities to advance individual skill levels. They will also be guided through a program that will improve their personal fitness level. Throughout the course, there will be various assignments about sports, their role in society, and knowledge of rules and regulations.

MISCELLANEOUS

Senior Project	
Required course for Seniors.	Credit: 0.50
Students design and execute a year-long project on a topic related to their post-secondary plans as documented by their school/career planner. It will be a three-phase project, consisting of a portfolio, a product or research paper, and a presentation. Students will be assisted by a mentor of their choosing from the community and by their classroom teacher.	
Senior Project Internship	
Prerequisite: Application required with Teacher Recommendations	Credit: 0.50
The GTCHS Senior Project Internship is a 60-hour internship completed by seniors as their capstone project, which is required for all GTCHS seniors. Internship students must apply and are accepted into the program based upon their written application, current success in classes, teacher recommendations, and an interview. Student internships must align with their Individual Graduation Plan major/cluster. Interns locate a mentor in our community to supervise their learning journey and complete the 60-hour internship within the mentor's business. Students also create an e-portfolio to capture their learning that contains daily learning journals, mentor evaluations, and documentation of learning. Each internship student presents her/his project to a panel of faculty and community members in spring of their senior year.	
Freshman Success	
Required course for freshmen students.	Credit: 1.00
This course is designed to give students an orientation to high school and prepare them for college and career readiness. Major skills covered include goal setting, time-management, conflict resolution, communication skills, study habits, and test taking strategies. These skills are woven throughout a course that requires students to research career pathways, including the necessary post high school education needed to pursue their career plans. This course includes investigative trips to explore colleges and careers.	

SPECIAL EDUCATION

Academic Seminar	
Determined by a team.	Credit: 1.00
This specialized course focuses on strengthening students' core academic skills necessary for improved success in the classroom. There is a particular focus on executive skills, literacy, and mathematical fluency. Students are placed in this class based on their individual learning needs.	

NON-CREDIT SCHEDULING OPTIONS

College Seminar	
Prerequisite: Enrollment in GTC Course/Counselor Placement	Credit: 0.00
This class provides students with the valuable opportunity to work on college coursework, collaborate with peers, and meet with the College Seminar teacher regarding college academic progress throughout the semester. This is required for all students taking their first college course.	
HS Aide	
Prerequisite: Application Required, Juniors and Seniors only	Credit: 0.00
Students may apply to be a high school aid during their junior or senior year. Students may work with a teacher in the classroom, in the front office, or in the health room. Students must complete an application, have passing grades in all classes, and be approved by administration as well as the requested supervisor.	
Late Arrival or Early Dismissal	
Prerequisite: Juniors and Seniors only	Credit: 0.00
Students may apply for late arrival or early dismissal during their junior and senior year. During the scheduled open period, students are to be off campus. Juniors may have 1 open period and seniors can have 2 open periods. Please note that at any time a student's grades fall below mastery, the open period may be taken away and replaced with a support class.	