



2022-2023 Course Catalog

Nondiscrimination Statement

The mission of the James Hillhouse Campus is to empower its community of learners to embody the leadership qualities necessary to achieve college and career goals. It is the policy of the New Haven Public Schools district that no person shall be excluded from participation in, denied the benefits of or otherwise discriminated against under any program, including employment. Protected classes include Age, Ancestry, Color, Gender Identity or Expression, Genetic Information, Learning Disability, Marital Status, Mental Disability, Intellectual Disability, National Origin, Physical Disability, Race, Religious Creed, Sex, Sexual Orientation, and the offer of equal access to school facilities and school premises to Boy Scouts for America and other designated youth groups.

NEASC Accreditation Statement

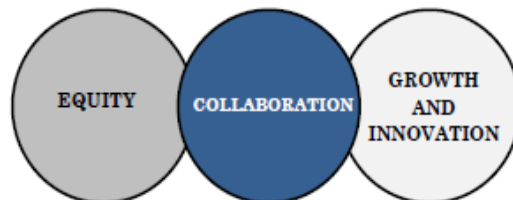
James Hillhouse Campus is accredited by the New England Association of Schools and Colleges, Incorporated, a non-governmental, nationally recognized organization whose affiliated Institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation of an institution by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purpose through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.



JAMES HILLHOUSE HIGH SCHOOL

OUR CORE VALUES:



OUR VISION:



Home of
Opportunity &
Unified
Student
Empowerment

OUR MISSION:

James Hillhouse High School strives to create a **home** that is a welcoming, safe, and culturally responsive environment where students have the **opportunity** to explore college and career pathways. We, the Academics, are committed to creating a **unified** school community with a deep understanding of our diverse social and political identities. Our students will be **empowered** to become critical thinkers capable of solving real life challenges in an ever changing world.

We believe...

- **Equitable opportunities** create the foundation necessary for every child to succeed
- A **culture of continuous improvement** will ensure that all staff are learners and reflective practitioners
- **High expectations** and standards are necessary to prepare students for college and career **Collaboration** and partnerships with families and the New Haven community will enhance learning and achievement



Introduction to Program of Studies

A student's course of study influences his/her success upon graduation. This catalogue has been created so that you will have critical information to assist your child with career planning and to prepare for lifetime learning, as each strives to develop skills necessary to fulfill his/her goals.

1. **Important:** James Hillhouse High school requires 26 credits for graduation.
2. Freshmen, sophomore and juniors are required to **enroll in a minimum of eight classes during the academic year. Seniors must be enrolled in a minimum of 4 classes if they have earned 24 credits. Any senior who has not earned 24 credits must be enrolled in 8 classes.**
3. **School Attendance**- Each student must be in attendance to earn credits in his or her subjects. **Attendance for the day is taken each morning during first period. Any student exceeding the 18-day absence policy established by the New Haven Board of Education will lose all credits for that school year.** * Contact the school principal in writing or an appeal. **Unauthorized Absences from Class/Cuts**-A cut is an unauthorized absence from a class when a student is officially present at school. The following procedure will be followed: 1) Teachers will verify cuts through Power School, 2) Teachers will give verbal warning after a short conference with the Student, 3) Teacher will notify the parent and assign a teacher detention, and 4) Students who habitually cut a class will be assigned ISS (in-school suspension) or OSS (out of school suspension) by the school administrator. *Consequences will be determined by the District Unified Code of Conduct and James Hillhouse High School Rules and Regulations*
4. **Add/ Drop Policy**- Full year courses may be dropped only during the first 2 weeks into the 1st marking period. Likewise, half year (1/2 credit) courses may be dropped only by the end of 2nd week into the first or third marking period. Students must see their counselor to add or drop a class.
5. **Grades/ Class Transfer Policy**- Grades earned from the previous class are transferred to the newly assigned class and incorporated within the final grade.
6. **Missing Grades**- Parents and students should carefully check report cards during each marking period for missing grades and report the error(s) and/or omissions to their teachers as soon as possible.
7. **Academic Support**- Students' and parents/guardians are encouraged to use PowerSchool to monitor current assignments and grades. **Please contact your child's teacher for more information.**
8. **PowerSchool Portal**- for PowerSchool login information please contact the school or visit our website at www.hillhousecampus.org. Teachers may be contacted through E-mail by clicking their names as listed on the students' PowerSchool account.

- 9. School Programs**- An extensive program of afterschool tutorials, clubs, sports, and activities is offered. Students are encouraged to become involved in school activities. Please contact our school for the most up to date program offerings and/or visit our website at www.hillhousecampus.org.
- 10. Summer Programs**- Various summer programs are offered to interested students. These programs are academic or enrichment focused or provide credit recovery options. Students who have failed a core course are encouraged to attend the Hillhouse Credit Recovery Program. Students are allowed to make up two credits during the summer.

College Admissions

College admission is becoming increasingly more competitive. Although there are basic requirements for a high school course of studies that most colleges share, the student and parent should consult with teachers and guidance counselors to ensure that the courses they are planning to take are challenging enough to meet the minimum requirements of the majority of colleges. Those students who desire to attend competitive colleges and universities should be taking a rigorous course load.

The basic courses recommended for college preparation are:

English	4 credits
Mathematics	4 credits (Algebra 1 and higher)
Social Studies	3 credits
Science	3 credits
World Language	3 credits

Colleges are looking for students who have taken the most challenging courses available. The courses of study described above should be viewed as general recommendations for college admission. If the student has an interest in a specific profession or occupation, they should consult with a guidance counselor for more definitive recommendations.

Career Preparation

The Academies in collaboration with its Academic Advisory Board has developed a sequence of course offerings and certification opportunities to further prepare students for success in the workforce. Making use of the Seminar/ Leadership Development class, students will become more self-aware of their strengths and weaknesses, set specific academic and personal goals for success, and explore career interest as they plan their moves after graduation. Through courses and projects related to various aspects of the academy theme students will strengthen skills employers seek in applicants.

James Hillhouse High School Graduation Requirements

To graduate from James Hillhouse High School, students must accumulate a minimum of 26 credits. Additional units of credit may extend and broaden this education, or may be devoted to specialized vocational or academic work. In addition to the credit requirements, each student must demonstrate proficiency in Scholastic Aptitude Test and the Connecticut Academic Performance Test. Credit is granted for successful completion of any course in grade nine through twelve.

Important to note:

- Freshmen, sophomores and juniors must carry a minimum of (8) credits.
- Seniors must carry a minimum of twenty-one (21) credits.
- ALL STUDENTS must complete 50 hours of community service in order to acquire 1 community service credit which is a prerequisite for graduation.

Hillhouse Graduation Requirements							
Grade	English	Math	Social Studies	Science	other Requirements need	Electives	Pre AP courses are offered in English, Math, Science and Social studies. AP Courses are offered in English, Math, Science, Social Studies and World Language
9th Grade	English 1	Algebra 1/ Geometry	World History	Phy-Chem	2 Credits of World Language, 1 Credit of PE, 1 Credit of Health, 1 Stem credit, 1 Fine arts, 1 credit of Humanities, 1 credit of Technology, 50 hours of Community Service	4 open electives	
10th Grade	English II	Geometry/ Algebra 2	US History	Biology			
11th Grade	English III or AP English	Algebra 2 or Statistics	Civics	Chemistry			
12th Grade	Gateway English or AP English	Calculus, Algebra3/Trig or Gateway Math or AP Calculus					
Total	4	4	3	3	8	4	=26

Students must receive credit in the following courses
Class Membership

The following guidelines have been developed to help define grade status:

- To be considered a sophomore, a student must have accumulated 7 or more credits in their freshman year.
- To be considered a junior, a student must have accumulated 13 or more credits.
- To be considered a senior, a student must have accumulated 18 or more credits.

A student who does not meet the above criteria will not be considered a member of that class and will not be able to participate in class activities.

Graduating with Honors

Graduating with Honors with Distinction – In order to graduate with Honors with Distinction, a student must earn High Honors a minimum of 10 times and have taken a minimum of 8 Honors or Advanced Placement level courses.

Graduating with Honors – In order to graduate with Honors, a student must earn Honors or High Honors a minimum of 10 times.

* Students graduating with honors are determined the end of the third marking term of the student's senior year (the fourth marking term of senior year does not count towards graduating with honors).

Class Rank

Class rank is the process of determining the relative academic standing of students within a class. Class rank is a requirement of many colleges as part of their admissions practices. Class rank is computed by taking the average of converted final grades from core academic courses (any class that has a weight listed in the Program of Studies). Pass-fail and letter grades are not included in the class rank calculation. Because courses differ substantially in their levels of academic challenge, differential weighting is a means of fairly assessing student achievement.

Final grades from other institutions do not count toward class rank. Students who enter James Hillhouse Campus after the first semester of their sophomore year will not participate in class rank. This applies to all students who transfer to James Hillhouse Campus from other schools. Beginning with the 2012-2013 school year, class rank will be reported using a decile system.

**** There will be only one class ranking for the campus.**

Valedictorian and Salutatorian

The valedictorian is usually the student in the graduation class who ranks highest in academic achievement. This student generally delivers a valedictory or farewell speech at the graduation ceremony. To be selected, a student must have attended high school in this school district for a minimum of two years and attained academic standing in the top two (2) of the graduating class. In addition, the student must have been involved in extracurricular activities that may include, but not limited to, athletics, peer mediation, student council, cheerleading, and/or community volunteerism as a representative of the school district. The salutatorian generally is a student selected to deliver an address of welcome at the commencement exercises. This student will be selected based on the same criteria used for selecting the valedictorian.

**** There will be only one valedictorian and one salutatorian for the campus.**

Grading

Grades are an assessment of a student's achievement and progress in each of his/her classes. Report cards are issued at four specific times in the school year. Grades are reported in the following manner:

A- (90-100 average)

B- (80-89 average)

C- (70-79 average)

D- (60-69 average)

F- (0-59 average)

I- (Incomplete)

*Incomplete grades are given only for specific reasons: illness for a long period of time, emergency or by arrangement with the teacher and the guidance office. Missed work must be made up within four weeks of the date the incomplete was issued and is the responsibility of the student. Failure to make up work may result in a student receiving an "F" (Failure). It should be noted that student's attendance has an effect on achieving good grades. Students must attend classes daily in order to keep up with the assigned work.

Warning of Failure to Parents

Warning and failure notices will be sent to the parents of those students who are in danger of failing for specific marking periods. These notices will be sent home in the middle of each marking period and must be signed by the parent and returned to the school.

Pre-AP and Advanced Placement Courses

Student placement is determined by individual ability and is subject to approval based on the recommendations of teachers, guidance counselors, and administrators. Students, parents, and school personnel should use the following criteria and procedures to determine the appropriate placement of students:

1. Academic achievement as reflected in the student's grades
2. Aptitude
3. Motivation
4. Diagnostic, standardized, and achievement test results when available
5. Portfolios and samples of student work

Pre-AP

Pre AP courses are intended for students whose academic ability and performance are considered advanced and/or accelerated for the student's grade level. Students at these levels must be highly motivated and dedicated to prepare for the challenges of a selective college or university.

Pre-AP Expectations

- The student is highly motivated and demonstrates extensive independent study skills
- The student demonstrates the ability to handle a demanding, rigorous pace of instruction
- The student demonstrates the ability to write strong and sophisticated pieces of writing for a variety of purposes.
- The student demonstrates strong ability to draw sophisticated conclusions based on text/evidence
- The student demonstrates strong and sophisticated reading comprehension skills and the ability to synthesize information
- The student demonstrates independence and guides the work of lab partners to perform and complete an experiment
- The student demonstrates sophisticated mathematical insight and the ability to synthesize mathematical concepts
- The student demonstrates strong independent problem solving skills
- The student consistently and independently exhibits strong study skills and work habits
- The student independently guides the work in a collaborative setting to achieve a goal or complete a task
- The student consistently and conscientiously completes homework/extension activities at a high level

- The student demonstrates higher order thinking skills to build and apply conceptual understanding
- The student consistently demonstrates initiative and participates in class in a thoughtful, active and appropriate manner
- The student delivers presentations in a highly organized and composed manner, speaks clearly, and demonstrates a thorough knowledge of the topic

Advanced Placement (AP)

Students who have demonstrated outstanding achievement have the opportunity to enroll in advanced placement courses. The College Board also offers a series of examinations in May of each year to those students who either have the academic background to take the examinations or who have taken advanced placement course work. Students who take the examinations are required to pay an examination fee but may be fulfilled by the school.

Advanced Placement course work is offered in English, Math, Social studies, Science, world language and Computer Science. Students are allowed to register for advanced placement course work if they meet all of the prerequisites of the department offering the course. The general prerequisite includes demonstrated academic achievement during the first years of course work and teacher recommendation. Students who successfully complete the advanced placement program and who score well on the examinations are usually granted either a waiver of a college freshman requirement and/or the credit for the college freshman course in the examined area.

Students and parents will sign an “AP Student Contract” for each AP class at the start of the course. Students not completing the required AP Student contract at the start of the course will be dropped from the course.

Student Supports

James Hillhouse provides a full continuum of service delivery to students who have been identified as needing specialized instruction or interventions under state and federal guidelines. All Hillhouse academies offer special education services, English language learner services, and accommodations for students with 504 plans. Furthermore, Hillhouse offers interventions for students who may not qualify for specialized instruction or 504 plans. These services include but not limited to Youth Stat, online learning programs such as ingenuity, and accelerated learning programs such as RISE Program for over-aged, under-credited youth.

Scheduling Process

Course Prerequisites

Some courses carry prerequisites. An administrator may waive a prerequisite in the case of unusual circumstances.

Changes in Course Offerings

The James Hillhouse Campus administration has the right and the responsibility to withdraw the offering of any course because of lack of enrollment, scheduling needs, limited facilities, lack of staff, or any other administrative factor. Please be aware that not every course listed in the Program of Studies may be offered every year. The administration is responsible for scheduling students in particular courses, with particular teachers, and during particular time periods. Requests for special consideration may be denied on this basis.

Student Schedule Changes

The selection of courses is a very important process that must be undertaken with seriousness and careful thought. The Student, the faculty, the guidance staff, the administration, and the parent will be involved in the decision-making process so that the student will be enrolled in the courses most suitable for his/her ability level and desired career preparation. There will be ample opportunity for consultation and reflection before a final decision must be made.

Changes will be allowed as follows:

Required courses:

Students will be placed into required courses by their present core academic teachers.

Changes to recommended levels or courses will occur only upon consultation with and approval of school administration during the selection period.

No changes to student schedules will be made during the first two weeks of the new semester. During this time, students may make appointments with their counselors who will begin meeting with students after the initial two-week waiting period. Students are expected to attend all courses on their schedule during these two weeks.

Changes in student schedules prior to the two-week waiting period will be allowed only if there has been an error in the scheduling process, if required as a result of failure or summer school results, if a student would like to take a course in place of a study hall or as needed when adjustments in the master schedule impact upon student schedules.

Elective courses:

Students will receive their 2021-2022 schedules in the spring of 2021. Any and all corrections of errors and changes of elective courses must be made before the last day of school in June 2021.

Dropping courses:

Students will have one week to drop a course after the first progress report without a WF (Withdraw Failure) posted on their transcript. Students who drop a course after this time

period will receive a WF. In extenuating circumstances an administrator may waive the WF designation in favor of a W (Withdraw).

Changes in course levels: Course level changes require Administrative Approval. Students wishing to make such changes in their schedule must obtain the appropriate form in the school counseling office. There will be no exceptions to this procedure

James Hillhouse Academies

Core Course Descriptions

AP Courses

AP Classes	
Course	Course #
AP Lit & Composition	118
AP Language & Composition	138
AP Calculus	236
AP Statistics	241
AP U.S. History	336
AP Government and Politics	343
AP Psychology	349
AP Bio	433
AP Chemistry	437
AP Physics	442
AP Spanish Language	519
AP Human Geography	386

AP Classes

AP Language and Composition Grade 11

Course No. 138

NCAA Approved

Credit: 2 (FY)

Prerequisite: Teacher's recommendation and successful completion of AP Language and composition summer reading assignment.

Description: In this Advanced Placement class students explore how writers use language; they develop skills in reading, analysis, and composition; and they prepare for the AP Language and Composition

exam. The course focuses on rhetorical devices and strategies. Students learn to identify rhetorical devices and strategies and then assess their effectiveness. Students learn to write cogent, detailed essays that analyze literary rhetorical and stylistic devices of selected short passages. Students also learn about literary devices and strategies through various creative writing assignments. Students enrolling in this class must display a willingness to engage actively with sophisticated ideas and a willingness to accept a demanding workload. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Literature and Composition Grade 12

Course No. 118

NCAA Approved

Credit: 2 (FY)

Prerequisite: 11th Grade Honors English, AP English Language and Composition or Teacher's Recommendation

Description: This Advanced Placement English course in Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. The final goal of the course is to prepare students for the Advanced Placement exam in May. The exam is a three-hour assessment covering a full-year introductory college course that provides successful students with the opportunity to gain credit, or automatically enroll in an advanced level English course, in their first year of college. Throughout the year students will complete a wide variety of reading from the sixteenth to twenty-first centuries to rehearse analytical skills critical for achievement on the exam and in college literature courses. Enrolling students should expect a small class size, close supervision of progress by the instructor, and reading assignments sometimes exceeding one-hundred pages per week. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Statistics

Grade 11-12

Course No. 241

NCAA Approved

Credit 1 (FY)

Perquisite: completion of algebra 2 and teacher recommendations

Description: Advanced Placement Statistics is a full year course available to students who wish to complete a course that is the equivalent to a one semester, introductory non-calculus based college course in statistics. Students who enroll in many college programs in engineering, psychology, sociology, health science and business take a course that is equivalent to the AP Statistics course. Students in this course study concepts and tools for collecting, analyzing and drawing conclusions from data. Students will explore four broad conceptual themes: working with data, planning a study, anticipating patterns and making statistical inferences. Upon successful completion of the course and the AP exam, students

may receive credit and/or advanced placement for an introductory college statistics course. All students enrolled in this class will be expected to take the Advanced Placement Examination in Statistics in May. Availability of this and other AP courses in a given year depends on student enrollment.

Advanced Placement Calculus Grade 11-12

Course No. 236

NCAA Approved

Credit: 2 (FY)

Prerequisite: B or above in Pre-Calculus, completion of algebra 2 and Trig and teacher recommendations

Description: This course provides students with a full year of college calculus and reflects the goals, objectives and philosophy of the College Board. It prepares students for the AP examinations given near the completion of the school year. Topics include the study of limits, continuity, differentiation of functions, and integration of functions. Emphasis is placed on the understanding and the application of calculus to problem solving situations. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP United States History Grade 11

Course No. 336

NCAA Approved

Credit: 1 (FY)

Prerequisites: Minimum grade of 80 or better in AP United States Government and Politics; teacher recommendation.

Description: The Advanced Placement U.S. History course is a comprehensive study of American history in preparation for the Advanced Placement exam. The course is designed to provide students with analytical skills and factual knowledge to comprehend and assess major events, movements, challenges, and forces in American history. Students taking this course will also be expected to complete reading outside of class and complete a summer assignment. The course work prepares students for intermediate-level college courses by making demands on them similar to those made by introductory college courses. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Government and Politics Grade 11-12

Course No. 343

NCAA Approved

Credit: 1 (YR)

Prerequisites: Minimum grade of 80 or better in AP United States History and Politics; teacher recommendation.

Description: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. While there is no single approach that an AP Government & Politics: United States course must follow, certain topics are generally covered in college courses. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Psychology

Grade 11-12

Course No. 349

NCAA Approved

Credit: 1 (YR)

Prerequisites: Minimum grade of 80 or better in AP United States History and Politics; teacher recommendation.

Description: A deeper understanding of psychology is the main objective of AP Psychology. This course will be focused on several areas of psychology: personality and psychotherapy, development, and mental illness. In AP Psychology, we will review these areas but we will spend most of the year delving into new areas. The scientific sides of psychology will receive great emphasis. This includes research methods, the brain, memory, and intelligence. You will be expected to understand as many concepts and ideas as possible. You will also need to know which theorist developed which idea. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Biology

Grade 11-12

Course No. 433

NCAA Approved

Credit: 1 (YR)

Prerequisite: Successful completion (a grade of a 85 or better) of Biology, Chemistry, Algebra 1 and 2; Teacher Recommendation.

Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing realm of biology. Within this course students will use representations and models to communicate scientific phenomena as well as work collaboratively in teams to design solutions to complex problems. This is a course that is designed

for students interested in entering into careers in the health field. The students enrolled in this course will work in conjunction with a representative from the AHEC Corporation to create an informative service learning project presentation. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Physics

Grade 12

Course No. 442

NCAA Approved

Credit: 1 (FY)

Prerequisite: Successful completion (a grade of a 85 or better) of Biology, Chemistry, Algebra 1 and 2; Teacher Recommendation.

Description: AP Physics is an intensive course overviewing and going into some depth on most topics in classical mechanics, including kinematics, forces, energy, momentum, electricity, and more. The course involves lab work, quantitative and qualitative analysis, and critical thinking. High proficiency with all math up to but not including Calculus is expected. Previous experience with a physics course is preferred. Otherwise, please meet with the teacher beforehand to assess your likelihood of success with the course.' Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Spanish Language Grade 11-12

Course No. 519

NCAA Approved

Credit: 1 (FY)

Prerequisite: A teacher recommendation, a screening process and a grade of "B" or higher in preceding courses are prerequisites for enrollment in AP Language.

Description: This course is designed for highly motivated students who have demonstrated success in previous Spanish courses and want to further develop their proficiency in speaking, reading, writing and listening in Spanish. This course is taught almost exclusively in Spanish and the students are expected to respond in the target language. Students enrolled in an AP class need to make a serious commitment to the demands of the AP Language Course. The goals of the course are to have the students comprehend formal and informal Spanish, refine their oral presentation skills and speak with a moderate degree of fluency. In addition, the students will read a variety of literary and expository texts in order to broaden their understanding of the cultures of the Spanish-speaking world and of the regional nuances of spoken Spanish. Students will write lengthy expository and analytical compositions on the texts read and will make connections between classroom learning and real life occurrences. Students enrolled in the AP Language course must take the AP Language exam administered by the College Board in May of each year. Those students who score 3, 4, or 5 on the exam may receive college credits and/or advanced

placement at the college they plan to attend. Availability of this and other AP courses in a given year depends on student enrollment. Availability of this and other AP courses in a given year depends on student enrollment. ** Students are required to take the AP Exam**

AP Computer Science Grade 11-12

Course No. 274

NCAA Approved

Credit: 1 (FY)

Prerequisite: A teacher recommendation

Description: AP Computer Science principals is an introductory college-level computing course that introduces students to a breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs.

AP Human Geography Grades 11-12

Course No. Pending

Credit: 1 (FY)

Prerequisite: A teacher recommendation

Description: AP Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). The course is equivalent to an introductory college-level course in human geography.

English Classes

English Classes	
Course	Course #
English 1	107
English 1- SC	110
English 2	115
English 2 -SC	120
English 3	124
English 3 -SC	126
English 4 - SC	131
Journalism	140
Pre AP English 1	161

Pre AP English 2	162
SAT English	186
Writing seminar	188
Read 180	199
Uconn ECE	3800
Accell English 2	4120
English 4	130

English 1

Grade: 9

Course No. 107

NCAA Approved

Credit: 1 (FY)

Pre-requisite: Grade 8 English

Description: English 1 is a 9th grade English/Language Arts course centered on developing students' abilities to effectively negotiate use of the English language in a variety of disciplines and situations. Students are assessed on their ability to independently create and analyze argumentative essays, narrative writing, and informational/explanatory texts, rhetorical communication, and navigate the design process from brainstorming through finished product. Students will identify how varying points of view and other devices used by authors affect a piece of text. They will build an effective means of communication both oral and written. Students will form and explore questions, ideas and activities in an effort to think creatively and develop solutions to problems. Additionally, students will read with an awareness of author's purpose and audience while also learning to be critical of what they read and write. Ultimately students will become self-directed, innovative scholars who push beyond academic mastery of the Common Core Standards.

English 1 - SC Grade 9

Course No. 110

NCAA Approved

Credit: 1(FY)

Prerequisites: None

Description: English 1 is a 9th grade English/Language Arts course centered on developing students' abilities to effectively negotiate use of the English language in a variety of disciplines and situations. Students are assessed on their ability to independently create and analyze argumentative essays, narrative writing, and informational/explanatory texts, rhetorical communication, and navigate the design process from brainstorming through finished product. Students will identify how varying points of

view and other devices used by authors affect a piece of text. They will build an effective means of communication both oral and written. Students will form and explore questions, ideas and activities in an effort to think creatively and develop solutions to problems. Additionally, students will read with an awareness of author's purpose and audience while also learning to be critical of what they read and write. Ultimately students will become self-directed, innovative scholars who push beyond academic mastery of the Common Core Standards.

Pre AP English 1

Grade: 9

Course No. 161

NCAA Approved

Credit: 1 (FY)

Prerequisite: Grade 8 English/minimum grade of 90 or better; teacher recommendation; Writing sample/placement test

Description: Students will read and critique a variety of literary and informational texts, identifying how varying points of view and other devices used by authors affect a piece of text. They will build an effective means of communication both oral and written. Students will form and explore questions, ideas and activities by reading and responding to a variety of texts. Additionally, students will read with an awareness of author's purpose and audience while also learning to be critical of what they read and write. They will write responses to literature which reflect interpretation of text, connections and the development of a critical stance. Students will complete a series of written assignments to be collected and organized in a portfolio. Reading skills will be emphasized and reviews of at least one novel per quarter outside of the classroom will be required.

English 2

Grade 10

Course No. 115

NCAA Approved

Credit: 1 (FY)

Prerequisite: Freshman English/minimum grade of 70 and/or teacher recommendation

Description: English 2 is a 10th grade English/Language Arts course centered on developing students' abilities to effectively negotiate use of the English language in a variety of disciplines and situations. Students are assessed on their ability to independently create and analyze explanatory essays, digital Public service announcements, argumentative essays, and informational texts, research-based arguments, and navigate the design process from brainstorming through finished product. Students will identify how varying points of view and other devices used by authors affect a piece of text. They will build an effective means of communication both oral and written. Students will form and explore questions, ideas and activities in an effort to think creatively and develop solutions to problems. Additionally, students will read with an awareness of author's purpose and audience while also learning to be critical of what they read and write. Ultimately students will become self-directed, innovative scholars who push beyond academic mastery of the Common Core Standards.

English 2 - SC Grade 10

Course No. 120

NCAA Approved

Credit: 1(FY)

Prerequisites: English 1 - SC

Description: English 2 is a 10th grade English/Language Arts course centered on developing students' abilities to effectively negotiate use of the English language in a variety of disciplines and situations. Students are assessed on their ability to independently create and analyze explanatory essays, digital Public service announcements, argumentative essays, and informational texts, research-based arguments, and navigate the design process from brainstorming through finished product. Students will identify how varying points of view and other devices used by authors affect a piece of text. They will build an effective means of communication both oral and written. Students will form and explore questions, ideas and activities in an effort to think creatively and develop solutions to problems. Additionally, students will read with an awareness of author's purpose and audience while also learning to be critical of what they read and write. Ultimately students will become self-directed, innovative scholars who push beyond academic mastery of the Common Core Standards.

Pre AP English 2

Grade 10

Course No. 162

NCAA Approved

Credit: 1 (FY)

Prerequisite: Pre AP English 1/ minimum grade of 85 or better; English 1/minimum grade of 90 or better; Teacher recommendation

Description: Each marking period students explore a different literary theme, for example this urban experience, the rural Deep South Experience, or the New England Experience. Students read, discuss, and write about novels, poem, plays, short stories, and non-fiction selections concerning the marking period's theme. Also, students write original poems, stories, and essays about the theme. Assignments are designed to improve students College Board scores on the response to literature, editing, and reading for information sections. The course also adheres to new Board of Education policies regarding homework, assigned research paper, and outside reading.

English 3

Grade 11

Course No. 124

NCAA Approved

Credit: 1 (FY)

Prerequisite: English 2/ minimum grade of 70 or better/teacher recommendation

Description: The English 3 course is designed to invite students to explore the nature of their relationship to the world as members of society whose choices and behaviors have a real impact on their world. Students will be asked to consider foundational American documents and speeches alongside works of literature to explore what it means to be American. Students will read and analyze a selection of literary texts that grapple with the ideas of development and identity as they explore issues related to ethical standards and codes of conduct. Finally, they will study narrative writing, to revisit

how literature can help reveal and develop a sense of self in the world, and to deepen their ability to make wise decisions.

English 3 - SC Grade 11

Course No. 126

NCAA Approved

Credit: 1(FY)

Prerequisites: English 1 - SC, English 2 - SC

Description: The English 3 course is designed to invite students to explore the nature of their relationship to the world as members of society whose choices and behaviors have a real impact on their world. Students will be asked to consider foundational American documents and speeches alongside works of literature to explore what it means to be American. Students will read and analyze a selection of literary texts that grapple with the ideas of development and identity as they explore issues related to ethical standards and codes of conduct. Finally, they will study narrative writing, to revisit how literature can help reveal and develop a sense of self in the world, and to deepen their ability to make wise decisions.

English 4 Grade 12

Course No. 130

NCAA Approved

Credit: 1 (FY)

Prerequisite: English 3

Description: English 4 includes a review of the use of portfolio standards. All writings are saved to monitor progress and students continue to build their portfolio as suggested by Writer's Craft. Regular writing conferences are scheduled with the teacher. Students periodically make journal entries, are assigned a series of essays in a variety of modes. A major term paper on a literacy topic is assigned. In their writings, students are asked to focus on the use of sentence variety including the use of compound-complex sentences and textual support. Major literary works studied include Beowulf, the Prologue to the Canterbury Tales and Macbeth. English poetry will also be read and studied in detail. Students will read independently and write a book report on one work of fiction each marking period. In accordance with New Haven Board of Education policy, homework will be assigned daily, the writing process utilized and the improvement of reading skills stressed.

English 4 - SC Grade 12

Course No. 131

NCAA Approved

Credit: 1(FY)

Prerequisites: English 1 - SC, English 2 - SC, English 3 - SC

Description: English 4 includes a review of the use of portfolio standards. All writings are saved to monitor progress and students continue to build their portfolio as suggested by Writer's Craft. Regular

writing conferences are scheduled with the teacher. Students periodically make journal entries, are assigned a series of essays in a variety of modes. A major term paper on a literacy topic is assigned. In their writings, students are asked to focus on the use of sentence variety including the use of compound-complex sentences and textual support. Major literary works studied include Beowulf, the Prologue to the Canterbury Tales and Macbeth. English poetry will also be read and studied in detail. Students will read independently and write a book report on one work of fiction each marking period. In accordance with New Haven Board of Education policy, homework will be assigned daily, the writing process utilized and the improvement of reading skills stressed.

Journalism

Grade 11-12

Course No. 140

NCAA Approved

Credit: 1 (FY)

Prerequisite: Student selection based on SRI test score and/or teacher recommendation.

Description: The Journalism course is designed to provide skills training and leadership opportunities for students who exhibit an interest in studying the impact of the media in our everyday lives, publishing writing for the school newspaper, The Sentinel, or possibly preparing for a career in journalism. Students enrolling in the course will be promoted to an editorship position on the Sentinel, one of the longest-running high school newspapers in the state of Connecticut (this appointment looks great on a college application!). Course lessons will include interesting readings selected from local and national publications on topics that impact our daily lives, student-led discussions and presentations, and daily writing and revision of nonfiction writing that will be assembled into personal student newsletters by the end of the course. Students will gain language arts skills revolving around news writing fundamentals, editing, interview methods, public speaking, and technology development including critical reading of websites, publishing software and photography. The fall course also offers students the opportunity to attend the annual journalism workshop held at Southern Connecticut State University to train with collegiate journalism professors and communicate with peers from other schools across the region. Information is moving at a faster and faster pace each day in our modern world and internet, print, and TV media stand at the forefront of this revolution

SAT English Prep

Grade 11

Course No. 186

Credit 1/2 (fall or spring)

Prerequisite: Students should have successfully completed English 1 and 2

Description: This course has been designed generally for juniors who will be taking the SAT. The emphasis of this class is placed on Test Taking Techniques, English Grammar, and Reading Comprehension. The SAT PREP class student improves his/her reading proficiency, recognizes and avoid common English errors, and develops test taking skills.

Writing seminar

Grade 10

Course no. 188

NCAA Approved

Credit 1 (FY)

Prerequisite: Pre-AP English I

Description: Writing seminar is an elective course that assists Pre-Advanced Placement 10th grade students in becoming more successful writers and self-editors. The skills that students learn in this course directly impact their future AP Language synthesis essay success. Also, students will be able to begin strengthening their memoir writing skills in an effort to make college essay creation less overwhelming and seamless. Students will read a collection of articles, short stories, and poems. Students will learn how to navigate the Opposing Views database during independent researching. Students will analyze these texts and communicate this analysis in the form of mini research and reaction essays. Additionally, students will strengthen their self-editing skills as a result of practicing the application of various grammar skills such as eliminating subject verb agreement, end function, and capitalization errors in all writing.

Read 180 Grade 9-12

Course No. 199

Credit: 1 (FY)

Prerequisite: Student selection based on SRI test score and/or teacher recommendation.

Description: The Read 180 Program is an intensive reading intervention program for students reading below grade level. It is a scientifically research-based program that is data driven through the computer software. The Scholastic Reading Inventory (SRI) is a reading assessment that levels each student's software program at the beginning of the school year. Students take the SRI each quarter to provide a measurement of reading level growth in Lexile scores. Ninth and tenth graders who test at a Lexile score of 1000-1025+ are considered "proficient" readers. Students who score in the 1201-1251+ Lexile range are considered "advanced" readers.

UCONN ECE 1004

Grade 10

Course no. 3800

NCAA Approved

Credit 1 (FY)

Prerequisite: Development of the reading and writing skills essential to university work. Students placed in ENGL 1004 must pass the course before electing ENGL 1010 or 1011.

Description: ENGL 1004 is designed to prepare students not yet qualified to take the required academic writing seminar (ENGL 1010 or 1011) but who would benefit from a preparatory course that carries college credit. Please contact the UConn ECE Program Office before considering offering the course as it is not open without approval from our office

Math Classes

Math Classes	
Course	Course #
Algebra 3/Trig	200
Algebra 1	210
Algebra 1 -SC	211
Geometry	218
Geometry - SC	219
Pre AP Geometry	223
Algebra 2	227
Algebra 2 -SC	228
Pre AP Algebra 2	225
Pre Calculus	234
Pre Calculus Honors	237
Statistics	248
SAT Math	259

Algebra I

Grade 9

Credit: 1 (FY)

NCAA Approved

Course No. 210

Prerequisite: Passing grade in 8th Grade Math

Description: Students in Algebra I will focus their year of studies on gaining an understanding of the properties of real numbers, exploring the behavior of functions numerically, graphically, analytically and

verbally. Within a student-centered environment they will use technology to discover relationships, test conjectures, and solve problems. They will work within heterogeneous groups of peers to communicate mathematics understanding both formally and informally. Some of the potential projects our Algebra I students will work on include determining the cost and profit of a business at a local farmer's market and applying their knowledge of quadratic functions to improve user play in the popular App Store game Angry Birds.

A scientific calculator is required for this course.

Pre AP Geometry

Grade 9

Course No. 223

Credit: 1 (FY)

Prerequisite: Passing grade of a 90 or higher in Algebra I recommendation/Passing grade of a 70 or higher in Algebra 1.

Description: This course is designed to give students a thorough understanding of Euclidean Geometry. The discovery techniques where students do hands on and problem solving activities to develop the properties of plane and three-dimensional figures are employed. The topics include: define terms (postulates and theorems), lines and line segments, angle measure, triangles, polygons, similarity and congruency, transformations, circles and area and volume. Emphasis is placed on the application of these concepts to real world situations.

Algebra 1 - SC Grade 9

Course No. 211

NCAA Approved

Credit: 1(FY)

Prerequisites: None

Description: Students in Algebra I will focus their year of studies on gaining an understanding of the properties of real numbers, exploring the behavior of functions numerically, graphically, analytically and verbally. Within a student-centered environment they will use technology to discover relationships, test conjectures, and solve problems. They will work within heterogeneous groups of peers to communicate mathematics understanding both formally and informally. Some of the potential projects our Algebra I students will work on include determining the cost and profit of a business at a local farmer's market and applying their knowledge of quadratic functions to improve user play in the popular App Store game Angry Birds.

Geometry

Grade 10

Course No. 218

NCAA Approved

Credit: 1 (FY)

Prerequisite: Passing grade of a 90 or higher in Algebra I recommendation/Passing grade of a 70 or higher in Algebra 1.

Description: In geometry, students will read, analyze, and solve right triangle and trigonometric functions within contextual situations. They will develop area formulas necessary for determining volumes of rotational solids, solids with known cross sections, and area beneath a curve. Our Geometry students will be able to explain their work clearly so that the reasoning process can be followed throughout the solution. Students will learn to work collaboratively in groups on projects like designing their own sports arena and giving a TED-like talk about what the house of the future will look like. At the end of our Geometry course, our students will have good reasoning skills, be excellent problems solvers, and comfortable working groups with a variety of different people.

A scientific calculator is required for this course.

Geometry – SC

Grade 10

Course No. 219

NCAA Approved

Credit: 1(FY)

Prerequisites: None

Description: In geometry, students will read, analyze, and solve right triangle and trigonometric functions within contextual situations. They will develop area formulas necessary for determining volumes of rotational solids, solids with known cross sections, and area beneath a curve. Our Geometry students will be able to explain their work clearly so that the reasoning process can be followed throughout the solution. Students will learn to work collaboratively in groups on projects like designing their own sports arena and giving a TED-like talk about what the house of the future will look like. At the end of our Geometry course, our students will have good reasoning skills, be excellent problems solvers, and comfortable working groups with a variety of different people.

A scientific calculator is required for this course.

Pre AP Algebra II

Grade 10

Course No. 229

NCAA Approved

Credit: 1 (FY)

Prerequisite: A or B in Honors Geometry or “A” in Geometry

Description: Algebra II emphasizes using algebra rather than memorizing manipulative skills. The course features and utilizes database applications, families of functions, transformations, modeling, simulations, experimentation and connections. Geometric evidence and computational power provided by the graphing calculator encourages a spirit of exploration and generalization.

A graphing calculator is required for this course

Algebra II

Grade 11

Course No. 227

NCAA Approved

Credit: 1 (FY)

Prerequisite: Passing grade of 70 or higher in Algebra I and Geometry

Description: Developing the algebra of functions through operations, composition, and inverses will be one of the main focuses of the students in Algebra II. They will work with functions graphically, numerically, analytically and verbally. They will read and analyze contextual situations involving exponential and logarithmic functions. Students will be able to compare the relative rate of change of linear and exponential functions. Some of the potential projects our Algebra II students may complete over the year include being code breakers for the NSA hired to help the USA prevent a potential threat and being engineers hired to design a new subdivision for the local country club. A scientific calculator is required for this course.

SAT Math Prep

Grade 11

Course No. 259

Credit 1/2 (fall or spring)

Prerequisite: Students should have successfully completed Algebra 1, Geometry

This course has been designed generally for juniors who will be taking the SAT. The emphasis of this class is placed on Test Taking Techniques, Heart of Algebra, Problem Solving and Data Analysis, Passport to Advanced Math. The SAT PREP class student improves his/her math proficiency and avoid common math errors, and develops test taking skills.

Algebra 2 - SC

Grade 11

Course No. 228

NCAA Approved

Credit: 1(FY)

Prerequisites: Algebra 1

Description: Developing the algebra of functions through operations, composition, and inverses will be one of the main focuses of the students in Algebra II. They will work with functions graphically, numerically, analytically and verbally. They will read and analyze contextual situations involving exponential and logarithmic functions. Students will be able to compare the relative rate of change of linear and exponential functions. Some of the potential projects our Algebra II students may complete over the year include being code breakers for the NSA hired to help the USA prevent a potential threat and being engineers hired to design a new subdivision for the local country club. A scientific calculator is required for this course.

Pre-Calculus

Grade 11-12

Course No. 234

NCAA Approved

Credit: 1 (FY)

Prerequisite: Passing grades of 70 or higher in Algebra I, Geometry, and Algebra II

Description: Pre-calculus combines the trigonometric, geometric, and algebraic techniques needed to prepare students for the study of calculus, and strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. The instructional time will focus on 4 critical areas: extending work with complex numbers, expanding understanding of logarithms and exponential functions, using characteristics of polynomial and rational functions to sketch graphs of those functions, and performing operations with vectors. Our Pre-calculus students must be able to use a variety of techniques to solve problems: graphical, numerical, algebraic/analytic, and verbal. Students are to develop an appreciation of all these methods of representation, understand how they are connected in a given problem, and learn how to choose the most appropriate method(s) to solve a problem. One potential project for our Pre-Calculus students will be a year-long project where in the end the students will have implemented the Engineering Design Process to create a space mission calculator using spreadsheet software that will be used for real-world spacecraft.

Pre-Calculus Honors

Grade 11-12

Course No. 237

NCAA Approved

Credit 1 (FY)

Prerequisite: Grade of B- or above in Honors Algebra II and teacher recommendation.

Description: This course provides students with a study of, algebraic functions, trigonometry, and trigonometric functions. Emphasis is placed on using algebra as a problem solving tool. Students should be able to work with functions represented graphically numerically, analytically or verbally and understand the connections among all the representations. The course integrates three problem strategies. 1) Solve problems algebraically and verify solutions graphically and, or numerically; 2) Solve problems graphically and verify graphically and or numerically and solve numerically and verify algebraically and or graphically. The graphing calculator is used extensively in this course.

Statistics

Grade 11-12

Course No. 248

NCAA Approved

Credit 1 (FY)

Description: C or better in Geometry or pass Honors Algebra II with higher than a C

Description: Students will understand the following: Displaying and describing categorical variables, quantitative variables, distributions numerically, standard deviation, and the Normal Model. Also, students will learn about: scatterplots, association and correlation, linear regression, re-expressing data, collecting data – surveys, samples, experiments, observational studies, probability and probability rules, binomial and geometric probability, confidence intervals for proportions, testing hypotheses about proportions, comparing two proportions, confidence intervals for means, testing hypotheses about

means, and Comparing Two Means Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns, 2. Sampling and Experimentation: Planning and conducting a study, 3. Anticipating Patterns: Exploring random phenomena using probability and simulation, 4. Statistical Inference: Estimating population parameters and testing hypotheses

Algebra3/Trig **Grade 11-12**

Course No. 200

NCAA Approved

Credit 1 (FY)

Prerequisite: Students should have successfully completed Algebra 1, Geometry and Algebra II

Course Description: Topics include graphing of functions, solving systems of linear equations and inequalities, quadratic functions, polynomials and polynomial functions, rational and radical functions, and exponential and logarithmic functions, and Trigonometric Functions.

Social Studies Classes

Social Studies	
Course	Course #
Latino Experience	174
Mod. World History - SC	298
Mod. World History	299
Pre AP Mod. World History	296
U.S. History 1	311
U.S. History SC	312
Pre AP U.S. History 1	319
Civics-SC	323
Civics	325
Psychology	344
African American, Black, Latino and Puerto Rican Studies	04901
Economics	353
U.S. History	355
Women's study	361
Contemporary Law	364
American History Thru Film	378
Current events	380
Sociology	381
Criminal Justice - UNH (1/2 yr.)	33945
Constitutional Law	1361
Criminal Justice - UNH (1/2 yr.)	33860

World History

Grade 9

Course No. 299

NCAA Approved

Credit: 1 (FY)

Prerequisites: 8th grade United States History

Description: The focus of the World History course is to develop a greater understanding of how geography along with cultural institutions and beliefs shape the evolution of human societies. This course addresses the following themes change over time, contributions of many types of people, economic transformations/globalization; revolutions, war, and diplomacy and the changing role of government. The awareness and understandings of other societies past and present will enable the students to acquire numerous skills which will provide them the ability to become productive members in their own society.

Modern World History - SC

Grade 9

Course No. 298

NCAA Approved

Credit: 1(FY)

Prerequisites: None

Description: The focus of the World History course is to develop a greater understanding of how geography along with cultural institutions and beliefs shape the evolution of human societies. This course addresses the following themes change over time, contributions of many types of people, economic transformations/globalization; revolutions, war, and diplomacy and the changing role of government. The awareness and understandings of other societies past and present will enable the students to acquire numerous skills which will provide them the ability to become productive members in their own society.

Pre AP Modern World History

Grade 9

Course No. 296

NCAA Approved

Credit: 1 (FY)

Prerequisites: 3.0 GPA, on or above grade level on RI and teacher recommendation

Description: This course provides students with a better comprehension and appreciation of our society by studying the political, economic, and cultural development of past civilizations and the ways they have influenced the development of religion, science, culture, politics, social organizations and economic systems of today. The course presents a chronological history within a thematic framework. This accelerated course is designed to give an overview of World History from the beginning of time

through the Renaissance. The units of study includes Early Human Culture; Development of Civilization; Classical Civilizations; Structures of Empires; The Impact of World Religions; Regional Civilizations; and The Rise of Europe.

Pre AP U.S. History	Grade 10
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Course No. 319

NCAA Approved

Credit: 1 (YR)

Prerequisite: Pre AP World History/ minimum grade of 85 or better; World History /minimum grade of 90 or better; Teacher recommendation

Description: Pre-AP United States History is a college preparatory class. As such the academic requirements are challenging and the classroom expectations are elevated. This course is a survey of American History from the Civil War through the start of the 21st Century. The objective of this class is to learn the history of the United States and prepare for higher education. To be successful in the class students will need to work hard and critically engage with history through readings, writing, discussions, and analysis. Students will use primary and secondary source document analysis and current events to address major themes, including the changing nature of U.S. Democracy, the changing face of American society, and the United States' changing role in the world.

US History	Grade 10
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Course No. 311

NCAA Approved

Credit: 1 (YR)

Prerequisites: be a sophomore or upperclassmen

Description: United States History-grade 10, students study the United States from the Reconstruction Period through World War II. Students evaluate the scientific discoveries and technological innovations in the development of the United States. Students will use critical thinking skills, co-operative learning, and written and oral presentations in their analysis of the subject matter.

US History - SC	Grade 10
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Course No. 312

NCAA Approved

Credit: 1(FY)

Prerequisites: Modern World History

Description: United States History-grade 10, students study the United States from the Reconstruction Period through World War II. Students evaluate the scientific discoveries and technological innovations in the development of the United States. Students will use critical thinking skills, co-operative learning, and written and oral presentations in their analysis of the subject matter.

Civics	Grade 11-12
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Course No. 325

NCAA Approved

Credit: 1 (FY)

Prerequisites: Sufficient display of mastery (a grade of a 70 or better) in US History 1.

Description: The focus of Civics is to prepare students to participate in exercising their political responsibilities as thoughtful and informed citizens. Civics provides a basis for understanding the rights and responsibilities for being an American citizen and a framework for competent and responsible participation. Emphasis is placed on the historical development of government and political systems, and the importance of the rule of law; the United States Constitution; Federal, State and local government structure; and the rights and responsibilities of citizenship. As informed decision-makers, students will actively investigate local, state and national issues, read and participate in discussions, and design informed arguments using a variety of approaches to demonstrate understanding. The economic, legal, and political systems are balanced for presentation and, like other social studies subjects, this course lends itself to interdisciplinary teaching. The goals and objectives are drawn from disciplines of political science, history, economics, geography, and jurisprudence.

Civics - SC	Grade 11
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Course No. 323

NCAA Approved

Credit: 1(FY)

Prerequisites: Modern World History, US History

Description: The focus of Civics is to prepare students to participate in exercising their political responsibilities as thoughtful and informed citizens. Civics provides a basis for understanding the rights and responsibilities for being an American citizen and a framework for competent and responsible participation. Emphasis is placed on the historical development of government and political systems, and the importance of the rule of law; the United States Constitution; Federal, State and local government structure; and the rights and responsibilities of citizenship. As informed decision-makers, students will actively investigate local, state and national issues, read and participate in discussions, and design informed arguments using a variety of approaches to demonstrate understanding. The economic, legal, and political systems are balanced for presentation and, like other social studies subjects, this course lends itself to interdisciplinary teaching. The goals and objectives are drawn from disciplines of political science, history, economics, geography, and jurisprudence.

Sociology	Grade 11-12
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Course No. 381

NCAA Approved

Credit: 1 (YR)

Prerequisites: need to be a junior or senior

Description: This is a one-semester survey course. Sociology is a social science, which examines the organization of society, social interaction and forces within a society. Students will be challenged to critically examine a variety of contemporary social issues and problems from various points of view. The

course will begin with an examination of the historical foundations of Sociology. With this foundation in place, students will move on to an analysis of the changing structure and role of the family, crime in America, social stratification and technology's effect on modern culture. These concepts will be taught through independent readings, structured debates, mini-lectures and creative projects.

African American History

Grade 11-12

Course No. 350

NCAA Approved

Credit: 1 (YR)

Prerequisites: need to be a junior or senior

Description: This course examines the history and culture of African Americans. Starting with an examination of African heritage, students will study the evolution and institutionalization of slavery in colonial society, the slave and free communities of the antebellum period, reconstruction, the challenges and achievements of the African American community prior World War II, the quest for civil rights following World War II, and challenges faced in contemporary times.

African American, Black, Latino and Puerto Rican Studies Grade 11-12

Course No. 04901

Credit: 1 (yr)

Prerequisite: none

Description: The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American, Black, Latino, and Puerto Rican people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts. Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities.

Contemporary Law

Grades 11-12

Course No. 364

NCAA Approved

Credit 1 (YR)

Prerequisites: need to be a junior or senior

Description: Contemporary Law and is a practical study in the legal, judicial, law enforcement, and correctional systems of the United States. Students focus on legal principles and the laws and procedures derived from them. They examine relevant examples of civil and criminal laws, law-enforcement methods, court procedures, and corrective justice. In the Contemporary Law course, students examine problems within the legal and justice systems.

Constitutional Law

Grade 11-12

Course No. 1361

NCAA Approved

Credit 1 (YR)

Prerequisites: need to be a junior or senior

Description: The course will explore the major principles of the United States Constitution through the study of public education. We will examine the political controversies of schools—racial segregation, locker searches, student speech, and school prayer, among others—as flashpoints of major constitutional questions. In the fall semester, students will have weekly reading and writing assignments based on past Supreme Court decisions. Students will compose appellate briefs and prepare oral arguments to compete in a moot court competition.

Current Events

Grade 11-12

Course No. 380

NCAA Approved

Credit 1/2 (fall or spring)

Prerequisites: need to be a junior or senior

Description: Current Events is a course designed to provide students with the opportunity to discuss, understand, and explore local, national, international, political, economic and social issues. Throughout the semester, students will stay current on issues and trends. As the focus of this course is “contemporary,” topics will vary depending on the current news cycle. Students will be challenged to defend their opinions on many different issues. The objectives of this course are: to identify connections between current events and history, to hone understanding of world events, cultivate informed citizenship, and challenge them to make sound decisions as they take their place in the panorama of history. We will use news programs, written journalistic pieces, websites, documentaries and social media

American History thru Film

Grades 11-12

Course No. 378

Credit 1 (YR)

Prerequisites: need to be a junior or senior

Description: The US History through Film curriculum offers students a unique way to view American history through the Hollywood lens. Through film analysis, students will gain a new insight into the

historical events that occurred from the Colonial America through recent US history. The course will demand high school grade-level composition work, honing student writing and revision skills as they write reaction and analysis papers to films viewed in class. In addition to learning the historical accounts, student will explore character development, conflict, theme, symbolism, foreshadowing, and geographical/social/cultural settings.

Women's Studies

Grade 11-12

Course No. 361

NCAA Approved

Credit: 1 (YR)

Prerequisites: need to be a senior or Junior or senior

Description: Women's Studies examines the experiences and contributions of diverse groups of women in American Society. This course will provide knowledge about the social role of women and their involvement in areas such as health, history and political activism. We make use of primary documents as well as historic references and papers. A text is provided. Through Women's Eyes: An American History.

Criminal Justice - UNH CJST

Grade 12

Course No. 1100

NCAA Approved

Credit: 1/2 (fall)

Prerequisites: need to be a senior

Description: Survey of criminal justice system with emphasis on prosecution, corrections, and societal reaction to offenders. Retribution, rehabilitation, deterrence, and incapacitation serve as generic frames of reference and theoretical points of departure for analyzing the dispositional and correctional processes. The course focuses on the process - from the police and prosecution through the courts; from the courts through the correctional system.

Criminal Justice - UNH CJST

Grade 12

Course No. 33860

Credit: 1/2 (spring)

Prerequisite: CJST 1100

Prerequisite: CJST 1100. This course is designed to evaluate how race, class, gender, and other diversity issues impact criminal patterns, responses to criminal activity, and decision making within the criminal justice system.

Economics

Grade 11-12

Course No. 353

NCAA Approved

Credit: 1 (YR)

Prerequisites: Sufficient display of mastery (a grade of a 70 or better) in US History 1.

Description: Students will be introduced to the basic concepts of economics as well as the economic system within this country. The course will also explore other concepts such as consumer demand, supply and demand, as well as changing market conditions.

Psychology	Grade 11-12
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Course No. 344

NCAA Approved

Credit: 1 (YR)

Prerequisites: need to be a junior or senior

Description: Psychology is the scientific study of behavioral and mental process, both human and animal. This course is designed to introduce students to the major themes, issues, and theories of this discipline. Students studying psychology at the college level will be exposed to this content again and therefore this course is intended to provide a strong foundation. At the completion of this course, students will understand the major theoretical perspectives and methods of psychology, have some knowledge of the various content areas of psychology, and be able to apply what they know if psychology to their everyday lives. The ultimate goal of the course is to enable the student to find out more about human behavior and discover ways to use this information to benefit them by providing practical applications that are meant to enrich their lives.

Science Classes

Science Classes	
Course	Course #
Phy-Chem	402
Phy-Chem -SC	404
Pre AP Phy-Chem	407
Biology	410
Pre AP Biology	411
Biology-SC	412
Chemistry	418
Chemistry - SC	420
Anatomy & Physiology	430
Physics	438
Forensic Science	449

Phy-Chem.

Grade 9

Course No. 402

NCAA Approved

Credit: 1 (YR)

Prerequisites: None

Description: Phy-Chem is a 9th grade science course that focuses upon the scientific inquiry process to learn about physical science concepts such as: heat and matter, chemical bonding and polymers, earth materials and environmental impact, and energy and electricity. Students in Phy-Chem will collaborate in teams to develop solutions to environmental issues that currently affect the world.

Phy Chem - SC

Grade 9

Course No. 404

NCAA Approved

Credit: 1(FY)

Prerequisites: None

Description: Description: Phy-Chem is a 9th grade science course that focuses upon the scientific inquiry process to learn about physical science concepts such as: heat and matter, chemical bonding and polymers, earth materials and environmental impact, and energy and electricity. Students in Phy-Chem will collaborate in teams to develop solutions to environmental issues that currently affect the world.

Pre AP Phy-Chem

Grade 9

Course No. 407

NCAA Approved

Credit: 1 (YR)

Prerequisites: None

Description: Students will be introduced to the Science process by developing a conceptual understanding and application of the following: a) description-the use of scientific knowledge to provide accurate names for natural phenomena and for classification; b) explanation-the use of scientific knowledge to explain natural phenomena; c) prediction-use of scientific knowledge to generate predictions about future events; d) applying scientific knowledge and reasoning to solve daily life problems; 3) applying scientific reasoning and knowledge to solve technological problems; f) recognizing the potentials and limits of science and technology; g) communicating in science (words, graphs, charts). Furthermore students will be introduced to scientific experimentation by being able to: a) define a problem; b) formulating a hypothesis; c) testing the hypothesis; d) making and interpreting observations; e) drawing a conclusion. The areas of content that students will use the science processes are: 1) Chemical Structures and Properties; 2) Global Interdependence; 3) Energy Transformation.

Biology

Grade 10

Course No. 410

NCAA Approved

Credit: 1 (YR)

Prerequisites: *Sufficient display of mastery (a grade of a 70 or better) in Phy-Chem.*

Description: Biology is a 10th grade science course that is devoted to the study of living things and their processes. Throughout the year this course provides an opportunity for students to develop practical scientific processing skills, laboratory techniques, apply engineering design (as appropriate), in addition to demonstrating an understanding of the essential principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, evolution, diversity of living organisms and their ecological roles, diseases and populations, in addition to being introduced to animal structure and function. Students enrolled in the biology course will enhance their analytical skills, utilize various forms of communication, and work collaboratively in teams to develop potential solutions to global issues.

Biology - SC

Grade 10

Course No. 412

NCAA Approved

Credit: 1(FY)

Prerequisites: *Sufficient display of mastery (a grade of a 70 or better) in Phy-Chem.*

Description: Biology is a 10th grade science course that is devoted to the study of living things and their processes. Throughout the year this course provides an opportunity for students to develop practical scientific processing skills, laboratory techniques, apply engineering design (as appropriate), in addition to demonstrating an understanding of the essential principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, evolution, diversity of living organisms and their ecological roles, diseases and populations, in addition to being introduced to animal structure and function. Students enrolled in the biology course will enhance their analytical skills, utilize various forms of communication, and work collaboratively in teams to develop potential solutions to global issues.

Pre AP Biology

Grade 10

Course No. 411

NCAA Approved

Credit: 1 (YR)

Prerequisites: *No less than B average in Pre AP Phy-chem.*

Description: Biology is the study of life. The courses cover the following topics: Fundamental life processes; physical structure and chemical activities of the cell; photosynthesis, cellular respiration, mitosis; microorganisms' roles in life processes and cycles on earth; bacteria, viruses and yeasts; the responsibility of DNA for genetic inheritance physically and chemically; how traits are inherited: probability and pedigree; infectious versus genetic disorders; evolution and biodiversity; genetic mutation, natural selection and adaptation to the environment; population; classification and biotechnology.

Chemistry

Grades 10-12

Course No. 418

NCAA Approved

Credit: 1 (YR)

Prerequisites: Sufficient display of mastery (a grade of a 75 or better) in Phy-Chem., Biology, and Algebra 1 and 2.

Description: This course is a standards-based study of fundamental chemical concepts, such as atomic theory and its relation to chemical behavior, chemical bonding, the mole and stoichiometry, molecular kinetics, energy relationships, solution dynamics, acids-bases, equilibrium, organic chemistry, and nuclear interactions. Students enrolled in this course will use mathematical analysis, scientific inquiry, and engineering designs, as appropriate, to pose questions, seek answers, and develop solutions.

Chemistry - SC

Grade 11

Course No. 420

NCAA Approved

Credit: 1(FY)

Prerequisites: Phy Chem and Biology

Description: This course is a standards-based study of fundamental chemical concepts, such as atomic theory and its relation to chemical behavior, chemical bonding, the mole and stoichiometry, molecular kinetics, energy relationships, solution dynamics, acids-bases, equilibrium, organic chemistry, and nuclear interactions. Students enrolled in this course will use mathematical analysis, scientific inquiry,

Physics

Grades 11-12

Course No. 438

NCAA Approved

Credit: 1 (YR)

Prerequisites: Sufficient display of mastery (a grade of an 80 or better) in Algebra 1, Geometry and successful completion of Phy-chem and Biology.

Description: The Physics course is designed to provide students with a fundamental understanding of physics principles. Students will learn the physical properties of matter, motion, energy, and force their theory and practical applications, laboratory procedures, problem solving, and mathematical analysis. Topics will include Newtonian Mechanics, Thermodynamics, Waves, Optics, Electricity/ Magnetism, and Nuclear physics. It is strongly recommended that for successful completion, students must earn at least a B- in Algebra I.

Anatomy and Physiology

Grades 11-12

Course No.430

NCAA Approved

Credit 1 (YR)

Prerequisites: Need to be junior or senior

Description: This course is an advanced life science elective concerned with an in-depth study of the structure and function of the human body. The course involves the study of cellular structure and function, systems of the body and diseases. Laboratory experience is emphasized and will include various experiments and also the dissection (or alternative assessment) of representative mammals and appropriate organs such as sheep heart and brains. The Level 9 course is extremely demanding and requires a strong background in biology and independent study skills.

Forensic Science **Grade 11-12**

Course No. 449

NCAA Approved

Credit: 1(YR)

Prerequisites: Need to be junior or senior

Description: The primary focus is practicing forensic science and analyzing physical evidence found at crime scenes. The fundamental objective is to teach the basic processes and principles of scientific thinking so as to apply them to solving problems that are related not only to science but to other disciplines. Forensic science allows students to practice science as inquiry. Every piece of physical evidence presented in a case for analysis requires the application of the scientific method. Students solve crimes, determine who committed them and how by incorporating the skills of observation, evidence collection, data classification, relationship connections, forming and testing hypotheses and advancing a conclusion or opinion. Students develop oratorical and written skills that allow them to defend the conclusions reached based on the evidence found. The simple goal is that students become confident that they can make sense of complex problems involving numerical data, evidence, uncertainty and logical reasoning.

World Language Classes

World Language Classes	
Course	Course #
French 1	511
French 2	512
French 3	513
French 4	514
Spanish thru th Arts	530
Spanish 1	532
Spanish 2	535
Spanish 3	538
Spanish 4	540

Native Spanish 1	545
Native Spanish 2	546
Medical Spanish	548

French 1	Grade 9
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Course No. 511

NCAA Approved

Credit: 1 (FY)

Prerequisite: Level 1 or test by World Language Instructors

Description: French I affords students an introduction to French language and culture. It is designed for students with little or no previous background in the language and stresses the development of listening comprehension and speaking skills. Vocabulary topics include general interest subjects, such as family, home, school, food, shopping and leisure time. Students are introduced to the culture of the Francophone world, with special emphasis on the geography of France and its heritage. Students will read short passages and write simple sentences in French.

French 2	Grade 10
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Course No. 512

NCAA Approved

Credit: 1 (FY)

Prerequisite: Teacher recommendation

Description: French II is an intermediate level course designed to help students further develop their speaking, reading and writing skills. More advanced grammar concepts and cultural readings from the French-speaking world are presented. Special emphasis is placed on reading comprehension and composition skills. French II Honors includes additional cultural readings, translation, and reading of poetry and completion of required tasks in the target language.

French 3	Grade 11
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Course No. 513

NCAA Approved

Credit: 1 (FY)

Prerequisite: Teacher recommendation

Description: French III continues the development of listening, speaking, reading and writing skills, with added emphasis on literary analysis. In class, students are expected to communicate in French, using

the past, present and future tenses. Students are required to complete special projects and oral significant tasks on various topics covered in the curriculum. Cultural activities will focus on French history and literature.

French 4

Grade 11-12

Course No. 514

NCAA Approved

Credit: 1 (FY)

Prerequisite: Teacher recommendation

Description: French IV is designed to help students expand vocabulary through topical readings and literary analysis. Advanced grammatical structures are presented and reinforced through writing and oral presentations. Students will read and analyze French literature of various genres of French writers as well as writers from the francophone countries. Great emphasis is placed on the development of oral and writing skills in the target language. Students will be expected to use French for the duration of class.

Spanish 1

Grade 9

Course No. 532

Credit: 1 (FY)

Prerequisite: Teacher recommendation

Description: Spanish 1 provides an introduction to the Spanish language and the culture of the vast Spanish-speaking world. It is designed for students with little or no previous knowledge of Spanish and stresses the development of listening comprehension and speaking skills. Vocabulary topics include general interest subjects, such as family, home, school, food, shopping and leisure time. Cultural activities focus on global awareness as well as the arts and traditions of the Spanish speaking world. Students also begin to read short passages, write simple sentences, and complete specific significant tasks based on curricular content.

Spanish 2

Grade 10

Course No. 535

Credit: 1 (FY)

Prerequisite: Teacher recommendation

Description: Spanish 2 is an intermediate level course designed to help students further develop their speaking, reading and writing skills in Spanish. More complex language structures are introduced to

increase students' conversational and reading ability. Cultural studies of Spanish-speaking peoples continues to be an important component of the course.

Spanish 3

Grade 11

Course No. 538

Credit: 1 (FY)

Prerequisite: Teacher recommendation

Description: Spanish 3 continues the development of listening, speaking, reading and writing skills in Spanish, with added emphasis on literature, composition and analytical skills. In class, students are expected to communicate in Spanish whenever possible, using language that indicates past, present and future. Students are required to complete specific projects and oral presentations. Cultural activities accompany each unit of the course.

Medical Spanish

Grade 11

Course No. 548

Credit: 1 (FY)

Prerequisite: A teacher recommendation, a screening process and a grade of "B" or higher in preceding courses are prerequisites for enrollment in AP Language.

Description: The main purpose of Medical Spanish (Level III) is to develop the linguistic and cultural skills necessary to facilitate basic communication and negotiate a number of primary difficulties posed by an English-Spanish language barrier between patients and providers. This course has been designed for students with a basic familiarity of Spanish fundamentals. Ideally, students will have previously studied the language at the high school level for two to three years and will be already somewhat comfortable engaging in basic conversations related to simple topics. The aim of this course is to both solidify and improve upon existing abilities, with a focus on applying these skills to medically related contexts. Effectively communicating essential information in real-world contexts and in-depth cultural considerations will be important components in addition to practicing specific tasks, such as taking a patient's basic medical history and discussing a variety of common health issues. The acquisition of basic as well as more specialized terminology will also be emphasized. Beyond focusing on the sharpening of existing oral and aural abilities, the intermittent inclusion of reading and basic writing exercises will serve to enhance students' communicative resources.

Medical Spanish

Grade 11

Course No. 548

Credit: 1 (FY)

Prerequisite: A teacher recommendation, a screening process and a grade of "B" or higher in preceding courses are prerequisites for enrollment in AP Language.

Description: The main purpose of Medical Spanish (Level III) is to develop the linguistic and cultural skills necessary to facilitate basic communication and negotiate a number of primary difficulties posed by an English-Spanish language barrier between patients and providers. This course has been designed for students with a basic familiarity of Spanish fundamentals. Ideally, students will have previously studied the language at the high school level for two to three years and will be already somewhat comfortable engaging in basic conversations related to simple topics. The aim of this course is to both solidify and improve upon existing abilities, with a focus on applying these skills to medically related contexts. Effectively communicating essential information in real-world contexts and in-depth cultural considerations will be important components in addition to practicing specific tasks, such as taking a patient’s basic medical history and discussing a variety of common health issues. The acquisition of basic as well as more specialized terminology will also be emphasized. Beyond focusing on the sharpening of existing oral and aural abilities, the intermittent inclusion of reading and basic writing exercises will serve to enhance students’ communicative resources.

PE Classes

Physical Education/Health	
Course	Course #
Physical Education	904
Physical Education2	906
Swimming	907
Sports Specific Skills I	918
Sports Specific Skills I1	Pending
Nutrition/Weights	914
Sports Science 1	988
Sports Science 2	983
High school Health	1998

Physical Education	Grade 9
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Course No. 904

Credit: 1 (FY)

Prerequisite: None

Description: This course is required for all students. Students will be allowed to choose activities from four different strands of physical education: health and wellness, competitive activity, recreational activity, and personal fitness. This course will also introduce health and wellness related topics throughout the program.

Physical Education 2

Grade 10-12

Course No. 906

Credit: 1 (FY)

Prerequisite: PE 1

Description: A course designed for students to further develop their fitness level and skill. Same activities played in Physical Education I are played but are more advanced

Swimming/ Lifeguard

Grade 10-12

Course No. 907

Credit: 1/2 (fall or spring)

Prerequisite: Physical Education 1

Description: Whether you are learning to swim or perfecting your strokes, all will benefit from this well-structured and safe aquatic environment. Students will learn all major swimming strokes, cover basic diving and participate in a number of pool games such as basketball and water polo. Students are expected to swim daily and provide their own toiletries for showering pre /post swim.

Sports Specific Skills I

Grade 10-12

Course No. 918

Credit: 1/2 (fall or spring)

Prerequisite: Physical Education 1/Varsity Athlete on school Team

Description: This course is designed to offer a flexible menu of sports skill development activities as chosen by students, and commensurate to their motivational and skill abilities, ranging from interscholastic competition to recreational in nature. Interdisciplinary instruction focusing on developmentally appropriate literacy and numeracy skills embedded within the value and character education themes are integral instruction delivery systems for this course of study.

Sports Specific Skills II

Grade 10-12

Course No. Pending

Credit: 1/2 (fall or spring)

Prerequisite: Physical Education 1/Varsity Athlete on school Team

Description: This course is designed to offer an Advanced flexible menu of sports skill development activities as chosen by students, and commensurate to their motivational and skill abilities, ranging from interscholastic competition to recreational in nature. Interdisciplinary instruction focusing on

developmentally appropriate literacy and numeracy skills embedded within the value and character education themes are integral instruction delivery systems for this course of study.

Nutrition and Weight Training Grade 10-12

Course No.914

Credit: 1/2 (Fall and spring)

Prerequisite: Physical Education 1

Description: Students must dress and participate daily in a variety of fitness related activities. These activities will be geared towards personal fitness and weight training. Students will learn a variety of basic lifts, along with how to properly use all machinery within our weight room. Nutritional aspects will cover a proper diet, hydration, and food as an energy source, portion size and how to make an informed nutritional choice when eating.

Sports Science I Grades 10 -11

Course No. 988

Credit 1 (yr)

Prerequisite: Physical Education 1

Description: Sports Science 1 is a full-year course that teaches students the fundamentals of the Sports Medicine field. This course is a hybrid course (50% in the classroom & 50% in the Sports Med lab). Students are active participants in their own learning by using the skills learned in class and applying them in real-life sports medicine situations. Students will become certified by the American Heart Association (AHA) in First Aid/CPR/AED. Topics include: Sports Medicine Careers, Legal Responsibilities of the Sports Med career, Bones and Soft Tissues Injury, Athletic Taping, Vital Signs, First Aid/CPR/AED, Bleeding and Shock & Nutrition. Course Assessment: Exams, quizzes, weight room activities, projects, field trips, homework, participation, athletic taping, American Heart Association First Aid/CPR Certification

Health Grade 10-12

Course No. 1998

Credit: 1 (FY)

Prerequisite: None

Description: High School Health is a full year and graduation requirement course that allows students to evaluate and examine the key components of mental/emotional health, social health & physical health. It includes topics such as Mental and Emotional Health, Stress Management, Drug abuse/prevention, Human Development, Nutrition & First Aid. Students will develop the necessary skills needed to develop

a healthy lifestyle and practice communication skills through a variety of activities. As the course progresses, students will be active participants in their own learning by using the skills/concepts learned in class and be able to apply them to real world applications.

Art and Music Classes

ART/Music	
Course	Course #
Exploring Visual Design	601
Art 2	603
Art Foundations	605
Advanced Craft	608
Advanced Painting	624
Graphic Design	634
yearbook	684
Percussion Ensemble	736
Music Theory	738
Band 1	748
Band 2	749
Band 3	750
Band 4	751
Music in America	772
Web Design	840

Art

Exploring Visual Design	Grades 9-10
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Course No. 601

Credit: 1 (YR)

Prerequisite: none

Description: In Exploring Visual Design, the foundation art course, student artists will learn the skills of drawing and painting guided by the integration of the Elements of Design and the Principles of Design in a variety of drawing and painting assignments. Students will learn what comprises design and composition, and how to observe, interpret, and appreciate art and design through Visual Literacy. After completion of this course students can take Art 2.

Art II

Grades 10-12

Course No. 603

Credit 1 (FY)

Prerequisite: Exploring Visual Design

Description: The Art II course is designed for students who are serious about the medium of art and the exploration of media and technique. This exploration will allow students to focus on drawing, painting, and design while developing their own personal style in their own artworks. This course will be taught as a studio course so that students can focus on changing their own works of art into interesting and exciting pieces.

Art Foundations

Grades 10-12

Course No. 605

Credit: 1 (YR)

Prerequisite: none

Description: This is a basic art class that covers the elements and principal of design. Students will learn various drawing techniques to create the illusion of three dimensional spaces on a two dimensional surface using two and one point perspectives and develop as well as enhance existing drawing skills so that the student can draw more realistically. This will be achieved through various mediums and values of shading in pencil and colored pencil. Ideas will be developed through primary sketches to create larger compositions. The students will learn how to mix colors using all the mediums. Various artists and works of art associated with these artists will be discussed and used as a basis for art works and projects produced in class. Students will be able to analyze and evaluate their work of art through reflection, evaluation, and assessment.

Advanced Crafts

Grades 10-12

Course No. 608

Credit: 1 (YR)

Prerequisite: Exploring Visual Design

Description: Art of Crafts is a craft based Art course intended for the students who are interested in the creative process, but not interested in the fine art aspect (drawing/painting). Students will learn about the art and craft of various cultures while creating works of art. Students will get to experience working

with a variety of different mediums such as paint, clay, fabric, metal, wood, and yarn, while learning multiple studio techniques.

Advanced Painting

Grades 11-12

Course No. 624

Credit: 1 (YR)

Prerequisite: Art II

Description: This course is for the serious art student who wants to continue to explore painting and drawing. This course will be taught as a studio class where student artists will apply and build upon previously learned skills to create personal and meaningful works of art. Creation of portfolios for

Graphic Design

Grades 9-12

(Part of CTE Program)

Course No. 634

Credit 1 (FY)

Prerequisites: None

(Equivalent to one fine art credit and introduces design thinking)

Description: Class covers the basics of design, through the use of Photoshop for photo editing and InDesign for page layout. The class has a strong emphasis on the design process. Being able to not only create final projects on the computer but having the deeper knowledge of how to get to that product through research, sketches, mock-ups and editing of their work. Once these skills are mastered the students advance to solid works where they learn how to design and create a 3D product. Acceptance into art schools will be emphasized.

Yearbook

Grade 12

Course No. 684

Credit: 1 (YR)

Prerequisite: Need to be a senior

Description: Students will work together as a team to design, create and publish the Hillhouse Yearbook. Students will go through the steps in publication from design ideas to final copy. Students will photograph and write about the relationships and interaction between students, teachers, administrators, and support personnel, as well as about how the seniors will remember their final years at Hillhouse. Students will learn the basics of design and layout, as well as the principles of quality publication design. This class is offered to seniors only.

Web Design/App Design

Grades 9-12

(Part of CTE program)

Course No. 840

Credit 1 (FY)

Prerequisites: None

(Equivalent to one fine art credit and introduces design thinking)

Description: The Web Design course is designed for students to have fun designing web pages using Photoshop. Students will learn the fundamentals of designing a website and how to evaluate existing websites. Students will be able to create professional, up to date websites that are easy to use. Students will have the opportunity to explore advanced features of the Web Design Suite and become familiar with design techniques using Flash. Students in this course will have a final project of working with actual professionals, proposing and developing websites for independent entrepreneurs, businesses and various organizations within our community and beyond. Students will also have the opportunity to present their design solutions before a panel of community partners at the annual IDEA design EXPO.

Music Classes

Percussion Ensemble

Grades 9-12

Course No. 736

Credit 1 (FY)

Prerequisite: Band I and Band II

Description: Percussion Ensemble is a performance based class that exposes students to various instruments of the percussion world. The objectives are: 1. Reading music; 2. Playing in ensembles, and 3. the healthy approach to playing percussion instruments. Students will play from a variety of multicultural genres and have several performance opportunities.

Music Theory

Grades 9-12

Course No. 738

Credit 1 (FY)

Prerequisite: Band I and Band II

Description: The primary goal of Music Theory is to introduce students to basic musical skills and the development of listening and ear training, as well as reading and analyzing musical notation. Students are responsible for demonstrating adequate performance skills in the following areas: Identification of basic music symbols, key signatures, intervals, scales and modes, rhythm, and meter.

Band I (Beginning Band)

Grades 9-12

Course No. 748

Credit 1 (FY)

Prerequisite: Have interest playing a musical instrument

Description: This course will introduce students with no previous music experience to instrumental music. The Wind Instrument (Woodwind & Brass) will be the primary focus of this class. Students will learn basic music theory, instrumental care and maintenance, and playing and techniques. Beginning students are integrated into the Marching and Concert Bands as they become musically proficient.

Band II (Intermediate Band)

Grades 9-12

Course No. 749

Credit 1 (FY)

Prerequisite: band 1

Description: This course is designed for those students with basic instrumental music (Woodwind & Brass) skills and knowledge. Students in the Intermediate Band will participate in the Marching and Concert Band. These students will learn expanded music theory including an introduction to improvisation. Entry into this class is gained by audition or successful completion of the Beginning Band course.

Band III (Advanced Band)

Grades 9-12

Course No. 750

Credit 1 (FY)

Prerequisite: Band I and Band II

Description: This course is designed for students with multiple years of instrumental (Woodwind & Brass) musical experience. Students will expand their knowledge of music theory and performance techniques. Musical improvisation and history will be the primary focus of this course. Students will be exposed to music composition and arranging. Students in the Advance Band will participate in the Marching and Concert Band. Entry into this class is gained by audition or successful completion of the Intermediate Band course.

Band IV (Advanced Band II)

Grades 9-12

Course No. 751

Credit 1 (FY)

Prerequisite: Band I and Band II

Description: This course is designed for students with multiple years of instrumental (Woodwind & Brass) musical experience. Students will expand their knowledge of music theory and performance techniques. Musical improvisation and history will be the primary focus of this course. Students will be exposed to music composition and arranging. Students in the Advance Band will participate in the

Marching and Concert Band. Entry into this class is gained by audition or successful completion of the Intermediate Band course.

Culinary Arts

Culinary Arts	
Culinary 1	1020
Culinary 2	1021
Culinary 3	1042

Culinary Arts I

Grades 9-10

Course No. 1020

Credit 1 (YR)

Prerequisite: none

Description: Food service management class to gain knowledge, understanding and skills necessary to be employed in the Food Service Industry. The students plan, prepare, and serve nutritious meals in the “Kitchen Connection” restaurant. Assessment methods: Written assignments, lab work, performance in the “Kitchen Connection” restaurant tests and exams.

Culinary Arts II

Grades 10-11

Course No. 1021

Credit 1 (YR)

Prerequisite: Culinary 1

Description: Advance in-depth study of Food Service. Independent study with written assignments and reports on different foods, cultures and ethnic groups. Research food service careers. Book culinary Essentials from Johnson & Wales University. The students plan, prepare, and serve nutritious meals in the Kitchen Connection restaurant.

Culinary Arts III

Grade 11-12

Course No. 1042

Credit 1 (YR)

Prerequisite: Culinary 2

Description: Advance in-depth study of Food Service. Independent study with written assignments and reports on different foods, cultures and ethnic groups. Research food service careers. Book culinary Essentials from Johnson & Wales University. The students plan, prepare, and serve nutritious meals in the Kitchen Connection restaurant.

Business Classes

Business Classes	
Accounting	804
Business Law	832
Business management	837
Computer Applications	829
Entrepreneurship	846
Personal Finance/Marketing	815

Accounting	Grade 10-12
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Course No. 804

Credit 1 (FY)

Prerequisite: none

Description: Accounting is the language of business. Accounting is planning, recording, analyzing and interpreting financial information. The purpose of the course is for students to become familiar with the complete accounting cycle. Manual and computerized competency will be exhibited in journalizing and posting transactions; reconciling a bank statement; completing a worksheet; creating a trial balance, balance sheet, and income statement; adjusting and closing entries; and implementing petty cash and payroll procedures. The student will participate in all classroom activities/discussions, and satisfactorily complete all assignments, projects, and tests. An accounting simulation is the capstone project and satisfactory completion of the simulation and audit tests is a requirement to receive credit for the course.

Business Law	Grades 11-12
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Course No. 832

Credit 1 (YR)

Prerequisites: need to be a junior or senior

Description: The business law course is designed for students who have a desire to learn more about legal issues that will affect them in the present and in the future. It introduces the student to the study

of law through a brief look at how law developed, the legal system in the United States, the functions of the federal and state court systems, civil and criminal law, contract law, minor's rights, consumer rights, debt collection, selected real and personal property issues, landlord-tenant law, etc. Students participate in mock trials, the jury voir dire process and other simulated scenarios. The student will participate in all classroom activities/discussions, and satisfactorily complete all assignments, projects, and tests to receive credit for the course.

Business Management

Grades 11-12

Course No. 836 or 837 for 1/2 year course

Credit 1 (FY for 836) or 1/2 for 837

Prerequisite: junior or senior

Description: The course acquaints students with management opportunities and effective human relations. The class provides students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, students learn about the Macro-level study of the business world, including business structure and finance, and the interconnections among industry, government and the global economy. The course also emphasizes problem-based, real world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

Personal Finance/ Marketing

Grades 11-12

Course No. 815

Credit 1 (FY)

Prerequisite: junior or senior

Description: Personal Finance is designed to increase financial literacy. Concepts covered include but are not limited to college planning, credit cards, credit scores, credit reports, interest rates, housing rental and mortgage, health/auto/life insurance, saving and investing, financial institutions, consumer rights and responsibilities, micro-financing in third-world countries (in real time and with real money), the stock market and identity theft. This course will assist students in making important financial decisions and prepare them to be knowledgeable consumers. Guest speakers come in from financial institutions. The student will participate in all classroom activities/discussions, and satisfactorily complete all assignments, projects, simulations and tests to receive credit for the course.

Computer Applications

Grades 9-10

Course No. 829

Credit: 1 (YR)

Prerequisite: None

Description: All students need to be computer literate in order to function as productive and marketable members of our society. This course will provide you with knowledge in basic computer hardware, ethical issues, Internet use and an emphasis on the proficient use of software applications. You will learn the productivity tools of the Microsoft Office Suite (Word, Excel, Access and PowerPoint). Through a variety of problem-solving, creative and critical-thinking activities and projects, you will be able to create educational, personal and business appropriate documents reflecting real-life scenarios. The student will participate in all classroom activities/discussions, and satisfactorily complete all assignments, projects, and tests to receive credit for the course.

Entrepreneurship	Grades 11-12
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Course No. 846

Credit 1 (FY)

Prerequisite: junior or senior

Description: This course will introduce students to the major steps of developing and starting an innovative business that includes developing their own personal entrepreneurship proposal. Students will learn the critical stages involved when researching, designing, strategizing, and marketing of a product. Students will leave this class having the knowledge and skills to pursue the development of a product through collaborating and partnering with a community business partner. Students will also have the opportunity to present their business plans before a panel of community business owners.

Manufacturing

Manufacturing/Construction	
Course	Course #
Intod to CADD	716
Intro to Manufacturing	725
Construction1/Carpentry	1009
Construction	721

Introduction to Computer Aided Design and Drafting	Grade 11-12
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Course No.716

Credit 1 (YR)

Prerequisites: Junior or Senior

Description: This course will introduce students to the use of solid works, a computer aided drafting and design industry 3D modeling tool that provide students the opportunity to design solutions to a variety

of problems. Students will build knowledge and understanding of the four types of technical sketches and will be able to identify how the elements and principles of design (point, line, symmetry, space, and etc.) are used to generate architectural representations of the physical world. Students will learn about line conventions, types of constraints, types of modeling (solid, wireframe, and etc.) and the rules of dimensioning when producing a working drawing. Students will also have the opportunity to collaborate and communicate when manufacturing mockups and prototypes of their design solutions. Students also will have the opportunity to present their design solutions before a panel of community partners at the annual IDEA design EXPO.

Intro to Manufacturing Tech

Grade 10-12

Course No. 725

Credit 1 (YR)

Prerequisites: None

Description: In Grade 10, students are instructed in and demonstrate skills and knowledge in machine safety, measuring tools, speeds and feeds, lathe operation, mill operation, pedestal grinder, various types of cutting tools, and drill press operation. Students continue to receive instruction in safety requirements and demonstrate sound safety practices. Technology-related mathematics, reading, writing, vocabulary, blueprint reading and science are integrated throughout the curriculum.

Construction

Construction1/Carpentry

Grades 11-12

Course No. 1009

Credit 1 (FY)

Prerequisite: Introduction to Construction

Description: Description: This course is designed to reinforce and build upon the prerequisite Introduction to Construction. This course focuses on carpentry skills and provides information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods. This course will also teach skills for rough construction, finish work, or both.

A. Safety: Describe and demonstrate the procedures related to workplace and job safety, including PPE, machine safety and material handling practices.

1. Demonstrate knowledge of proper use, storage and disposal of hazardous waste materials following osha's proper safety procedures.

2. Demonstrate and explain knowledge of workplace practices.

3. Demonstrate and explain knowledge of personal protective equipment PPE use in wood technology.

4. Describe safety practices for the following machines: table saw, drill press

5. Demonstrate explain knowledge of proper use of and basic storage of basic hand tools

B Identify hand tools their uses and the safety measures required to operate them

C Identify machines and tools their uses and the safety measures required to operate them.

D. Describe the characteristics and appropriate applications for softwoods, hardwoods and plywood

E. Identify and describe the various types of processes associated with the woodworking field.

Construction	Grade 12
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Course No. 721

Credit 1 (FY)

Prerequisite: Intermediate Woodworking and Construction

Description: This course focuses on residential construction principals and their relationship to commercial applications. Topics typically covered include commercial concrete forming, reinforcement and placement methods, stair construction and hanging drywall. Students will learn collaborate to collectively construct a small one room house inside the Wood Shop confines. Practical and written tests will be administered to measure knowledge. All safety procedures and CT State Building Codes will be adhered to strictly. After completion of the course, students are certified with OSHA 10 certificate and are eligible to enter into the GENCON apprentice program in Pomfret, CT where they begin an apprenticeship program.

Automotive

Automotive Classes	
Automotive 1	1012

Auto Tech 1 Grades 11-12

Course No. 1012

Credit 1 (FY)

Prerequisite: junior or senior

Description: This course covers the theory behind an internal combustion engine. Students will learn this theory and apply it to the disassembling, cleaning, stripping, painting, repair and reassembly of car engines. Basic tool skills, personal responsibility, positive attitude and shop safety will be stressed

Digital Printing

Digital Printing	
Web Design	840
Digital Printing 1	Pending

Web Design/App Design Grade 9-12

Course No. 840

Credit: 1(FY)

Prerequisites: None

(Equivalent to one fine art credit and introduces design thinking)

Description: The Web Design course is designed for students to have fun designing web pages using Photoshop. Students will learn the fundamentals of designing a website and how to evaluate existing websites. Students will be able to create professional, up to date websites that are easy to use. Students will have the opportunity to explore advanced features of the Web Design Suite and become familiar with design techniques using Flash. Students in this course will have a final project of working with actual professionals, proposing and developing websites for independent entrepreneurs, businesses and various organizations within our community and beyond. Students will also have the opportunity to present their design solutions before a panel of community partners at the annual IDEA design EXPO.

Digital Printing 1 Grades 11-12

Course No. Pending

Credit 1 (FY)

Prerequisite: junior or senior

Description: Digital Printing is a course of study of the process used in the graphic printing profession. It is the exchange of information in a visual form, such as words, drawings, photographs, or a combination

of these in both printed and electronic form. Students will learn computer applications, the use of varied equipment, and they will incorporate the use of the internet as a resource in their projects.

Digital Printing 2 Grades 11-12

Course No. Pending

Credit 1 (FY)

Prerequisite: Digital printing 1

Description: Students receive more advanced instruction in desktop publishing and offset printing, including job planning and layout. Students will study web design, web page development and manage a school website. They will learn job related skills in this industry through hands-on activities that print items for the school. Students will explore career opportunities in the printing and graphic field.

JROTC Grades 9-12

Course no. JROTC 1 (7010)

Course no. JROTC 2 (7011)

Course no. JROTC 3 (7012)

Course no. JROTC 4 (7013)

Credit 1 (FY)

Prerequisite: none

Description: The Army JROTC program is NOT designed to put students in the military, it is a program that “Motivates Young People to Be Better Citizens”. The JROTC curriculum emphasizes citizenship, character development, leadership development and community service.

Program outcomes describe what JROTC Cadets will know and be able to do upon successful completion of the JROTC program. These outcomes also provide documentation for growth and development of the student and program for re-accreditation purposes, school visitors, parents, and the community. The JROTC Program Outcomes are:

Act with integrity and personal accountability as you lead others to succeed in a diverse and global workforce

Engage in civic and social concerns in the community, government, and society

Graduate prepared to succeed in post-secondary options and career pathways

Make decisions that promote positive social, emotional, and physical health

Value the role of the military and other service organizations

Core Abilities describe the broad, life-long skills that every Cadet needs for success in future life and career endeavors. The core abilities are a result of the goals and values that drive the JROTC program

and are built upon the program's four years through integrating various lesson competencies and skills throughout the JROTC curriculum. The Core Abilities are:

Apply critical thinking techniques

Build your capacity for life-long learning

Communicate using verbal, non-verbal, visual, and written techniques

Do your share as a good citizen in your school, community, country, and the world

Take responsibility for your actions and choices

Treat self and others with respect

HCAP Program

GWCC HLT 102	3691
GWCC HIM 101	3696
GWCC Eng	Pending

GWCC HLT 103 Grade 9

Credit: 1 (FY)

Course No. 3691

Prerequisite: HCAP Students only

Description: Designed to assist students in meeting the expectations of a health care curriculum and career. Students will become familiar with rigors of higher education and the specific skills needed to maximize their opportunity for academic and clinical success. Will include a comprehensive overview of the duties and responsibilities associated with clinical competency. Interdisciplinary learning strategies, correlating clinical and didactic education, life management skills, work ethics and critical thinking skills necessary for all health providers will be emphasized.

GWCC HIM 101 Grade 10

Credit: 1 (FY)

Course No. 3696

Prerequisite: HCAP Students only

Description: Introduces the language of medicine. Topics include basic word structure, prefixes, roots, suffixes, and terms pertaining to the body, including singular/plural forms. Also presents terminology related to body systems (cardiovascular/ circulatory, digestive, female reproductive, integumentary, musculoskeletal, respiratory, and urogenital). Covers body system units, including anatomic, diagnostic, symptomatic, surgical, and eponymic terms, plus standard abbreviations, and acronyms. Emphasizes defining and spelling elements and terms.

GWCC Eng 101

Grade 10

Credit: 1 (FY)

Course No. Pending

Prerequisite: HCAP Students only

Description: Develops strategies for college-level writing through the critical study of various rhetorical modes. Emphasizes the development of carefully reasoned essays that cite appropriate evidence to support conclusions. Develops library and research skills required for composition and communication. Students will write a number of short expository papers and a longer research paper incorporating MLA documentation techniques