



CLAYTON HIGH SCHOOL  
COURSE CATALOG  
2017-2018

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## **Mission Statement**

Clayton Public School District will collaborate with parents and the community to provide a safe, caring, and engaging learning environment where all students achieve the Common Core and the New Jersey Core Curriculum Content Standards along with the knowledge, skills, and experiences to succeed in a global society.

## **Vision Statement**

Preparing Students for the Opportunities of Today and the Future



## Letter from the Supervisor of Guidance

Dear Students and Parents/Guardians:

As students enter high school, it is important that they realize that what courses they select and how well they achieve in these courses will determine whether or not they have the knowledge, skills and background to attend college, technical schools or other post-secondary educational programs. Colleges look at the variety of academic experiences, including the number of challenging high-level courses students have completed, for admissions. Other variables related to college admissions are school involvement, community service and SAT/ACT scores.

For those students who do not plan to attend college after high school, it is important that they not only take required courses for graduation, but they should also select courses that will prepare them to pursue their future goals.

For the 2017-2018 school year, we will continue with our Virtual High School. These course offerings will allow a student to pursue career diploma programs, which will prepare the student to pursue a career path after graduation. Students will also have the opportunity to take career electives to explore different career paths or take Advanced Placement Courses where they have the opportunity to earn high school credit and college credit by taking and passing the AP Exam.

Students interested in military service as a career option may be interested in our Junior Reserve Officer Training Corp. (JROTC) program, which promotes good citizenship, positive self-motivation, leadership skills, teamwork, service and patriotism.

Please take time to read our course selection book carefully before the student meets with his or her school counselor to discuss course selection. Some courses have prerequisites; students need to make sure that they select appropriate level courses in their area of interest. Parents are encouraged to contact our Guidance Department at (856) 881-8701 to address any scheduling concerns. Please keep in mind course offerings are subject to change.

I encourage students to get involved in their high school experience and ask their parents or guardians for support. I wish you the best as you make wise decisions about your future and assure you that we will be available to assist you in this process.

Sincerely,

Joseph Valentino

Supervisor of Guidance and Counseling

# Clayton Public Schools Administration

## Board of Education

Anthony Grafton, *President*

Milton "Bud" Reuter III, *Vice-President*

Paul Connell, *At-Large*

Bailey Burnett, *At-Large*

Robin Roche, *At-Large*

Scott Werkheiser, *At-Large*

Ron Durham, *At-Large*

Stacey Weinert, *At-Large*

Caite Wolak, *At-Large*

## Central Administration

Nick Koutsogiannis

Superintendent

Frances Adler

School Business Administrator/Board Secretary

Kathleen Bress

Director of School-Based Youth Services

Tanya Harper

Supervisor of Special Services

Tanya Clark

Supervisor of Curriculum and Instruction

Joseph Valentino

Supervisor of Guidance & Counseling

Charles Schriver

Facilities Coordinator

Lisa Twomey

Special Projects Director

## Middle & High School

Joseph Sottosanti

Interim High School/Middle School Principal

Daniel Antonelli

Assistant Principal for Athletics and Student Activities

Marvin Tucker

Assistant Principal Middle School

Joseph Visalli

Assistant Principal High School

## Guidance Department

Joseph Valentino

Supervisor of Guidance & Counseling

Lisa Atanasio

Counselor (9th Grade)

Keith Controvich

Counselor (10th, 11th & 12th)

Kathryn Hallinan

Counselor (6th, 7th & 8th)

Debbie Marrero

Student Assistance Counselor (6th – 12th)

## Child Study Team

Terra Madden

Social Worker (6th Grade Case Manager)

Susan Redfield

LDTTC (7th, 8th & 9th Grade Case Manager)

Greg Esposito

School Psychologist (10th, 11th, 12th Grade Case Manager)

## **Program Selection Overview**

Clayton High School provides a variety of course offerings to meet the educational needs of all students. Courses are divided into four levels of classes: general, college prep, honors and advanced placement. The Guidance Department assists students and parents with their responsibility to choose courses that meet the interests and goals of each child. Parental assistance is encouraged and parental approval of course selection is highly recommended. Many courses have recommended prerequisites for enrollment as specified in each course description. Placement and successful completion of a future course may depend largely on performance in current coursework. Therefore, recommended course prerequisites may require a minimum grade percent in current coursework. Parents and students are strongly urged to review each course description and its prerequisites to determine if the student is recommended for placement in the desired course.

Parents are encouraged to contact the Guidance Office should problems or questions arise related to the course selection process.

- Joseph Valentino, Supervisor of Guidance & Counseling
- Lisa Atanasio, Counselor, 9th Grade
- Keith Controvich, Counselor, 10th, 11th & 12th Grades
- Kate Hallinan, Counselor, 6th, 7th & 8th Grades

## **NAVIANCE Family Connections**

Naviance is a leading web-based college planning, navigation and tracking system for administrators, guidance counselors and faculty. Within Naviance, there are tools to actively engage students and parents in the post secondary career and college process. Family Connections allows students to access their own personal web page with resources that support course, career and college planning. Family Connections' is linked with Naviance and is used in the counseling office to assist students with Processing College Applications, College Planning, Career Planning and much more.

# Program of Studies

## College Prep Curriculum

The College Prep Curriculum is intended for those students who plan to enter a four-year college, county college, or post-secondary training after their graduation from high school. The courses within the curriculum have been specifically designed to provide students with the knowledge and experience necessary for them to pursue their higher education successfully. It is important to remember that homework and other assignments are a requirement of every class and are major components of the instructional process.

## Honors Curriculum

The Honors Curriculum is designed for students who are highly motivated to work in rigorous courses that provide challenging studies. These classes are intended for highly advanced students who plan to attend a four-year college or university.

## Advanced Placement Curriculum

Advanced Placement courses are college-level courses offered to students who are interested in pursuing a rigorous, demanding program of study and research. Students who select these courses may take the Advanced Placement Examination administered by Educational Testing Services to determine if they qualify for college credits.

Currently, Clayton offers AP courses in:

- US History I
- US History II
- Biology
- English Language and Composition (English III AP)
- English Literature and Composition (English IV AP)

Clayton Virtual AP courses available:

- Calculus AP
- Chemistry AP
- Psychology AP
- Statistics AP
- US Government & Politics AP
- Art History AP

## Dual Credit Program

The Clayton School District has a dual credit agreement with Camden County College, which gives our students the opportunity to earn both high school and college credits on approved courses taken at Clayton High School. CCC awards college credit to students who earn an "A" or "B" in an approved World Language course. Clayton High School awards graduation credit to students earning a passing numerical average of 64.5 or higher in an approved course. Students participating in this program must complete a Dual Credit-Camden County College application and submit applicable fees. It should be noted that transferring these credits to a college or university would be at the discretion of the particular college or university.

The Clayton School District has a dual credit agreement with Rowan College at Gloucester County, which gives our students the opportunity to earn both high school and college credits on approved courses taken at Clayton High

School. RCGC awards college credit to students who earn an "A" or "B" in an approved course. Clayton High School awards graduation credit to students earning a passing numerical average of 64.5 or higher in an approved course. Students participating in this program must complete a Dual Credit-RCGC application and submit applicable fees. It should be noted that transferring these credits to a college or university would be at the discretion of the particular college or university.

## Senior Internship Program

Throughout history, one of the major goals of education has been to have students acquire the ability to link academic knowledge to practical work experience. Many students do not understand the relevance of certain classes to success in life. One way our schools are helping students develop a stronger understanding of possible careers is by collaborating with local businesses in order to offer internship opportunities to high school students. Students participating in internship programs work cooperatively with other peers and an on-site mentor in completing career-related tasks. These tasks teach career skills, job expectations, and general workplace behaviors, as well as enhance knowledge about the many careers available in any specific area.

Clayton High School has developed a unique program that provides Senior High School students the opportunity to develop and experience workplace readiness skills. Students who have completed all of their required course work, except English and PE/Health, can apply for an internship with local businesses to take advantage of local community resources and community experts. They can typically earn 5-15 elective credits depending on the amount of time served in the internship. Students participating in off campus internships must provide their own transportation. **Students are encouraged to find their own internship placements. Internship placement by Clayton Public Schools is NOT guaranteed.**

See your counselor for more information, as scheduling will have to be done in the summer.

## Junior Reserve Officer Training Corp. Program

JROTC may be used as an elective course in grades 9-12. This is a comprehensive program, which complements the curriculum of the entire school with a focus on personal growth for the individual. The program of instruction is based on a systematic progression of learning designed for the students' development at each grade level. Major units of study include: American citizenship, techniques of communications, leadership, drug abuse prevention, map reading, career opportunities, first aid and hygiene, technology awareness, self-discipline, self-esteem, organization, ethics, integrity, and confidence. In addition to the course work, the JROTC program offers a wide variety of extracurricular activities that enable students to develop the knowledge, values and skills, which they have learned in the classroom. The mission of the JROTC program is to motivate young people to be better citizens. The program trains students in leadership and motivational skill that will serve them throughout their lives. JROTC students are not required to serve in the military after school, but they will be well prepared if they choose to serve in the military.

## Special Education Program

The Special Education Department offers instructional programs for students classified as eligible to receive Special Education and/or Related Services. Instruction is based on the standard curriculum and is modified to meet the needs of the identified student through an Individual Education Program (IEP). Students are placed, to the greatest extent possible, in the regular education setting. When a student is placed in a mainstream class, he/she is expected to meet the approved proficiencies and requirements of each course unless otherwise specified within the Individual Education Program. Clayton offers a full continuum of special education programs ranging from mainstreaming into the regular education setting to replacement instruction in the academic content areas.

- Regular Education Placement - Special education students are mainstreamed for courses when they can be successful with few or no modifications and/or accommodations.
- Inclusion Education Placement - Another program, which places the student in the regular education setting, is

the inclusion or resource center in-class support program. In addition to the regular class teacher, a resource center teacher or classroom aid is assigned to the class to assist the special education student. This support allows students to meet the same educational objectives as non-disabled students.

- Out of Class Replacement Instruction - These programs provide individual and small group instruction in place of regular classroom instruction. The curriculum is based upon proficiencies contained in the regular course content and is specifically tailored to meet the needs of the individual student.

## **Clayton Virtual High School Programs**

Through our Virtual High School, students will have the opportunity to take online courses. Students in 10th grade will be able to participate in career exploration at the High School by enrolling in career electives. Students in 11th and 12th grade can continue with career diploma programs. Upon their successful completion, students have the opportunity to earn certification in their career of study. Online Academic and Advanced Placement Programs - Students in 11th and 12th grade have the opportunity to take additional Advanced Placement classes online.

## **Vocational Education Program**

The Gloucester County Institute of Technology (G.C.I.T.), located in Deptford Township, offers career preparation opportunities through a full-time academy and select share-time programs. Share-time programs offered at G.C.I.T. are generally offered to seniors for one year in duration, and students who successfully complete the course can earn a minimum of 15.00 elective credits towards their graduation requirement. G.C.I.T. only offers share-time programs in Fire Science and Law Enforcement. Only students enrolled in either of these share-time programs will attend G.C.I.T. for 2-hours daily from 1:00pm until 3:00pm. Students who are outside this selection criteria must contact G.C.I.T. directly to discuss their eligibility for share-time programs

## **Developing the Student Schedule**

### **January - February**

Counselors make classroom presentations to distribute required documentation to students and provide a brief overview of the course selection process. Students then make preliminary course selections in class using i-pads. Parents are encouraged to review the tentative course selections prior to individual student meetings. An evening parent meeting is scheduled for incoming high school students (current 8th grade students only) to explain the scheduling process and available courses.

### **February - March**

Counselors meet with students individually to review tentative selections, confirm student's placement in courses based on completion of prerequisite requirements, and complete Course Selection/Verification Sheet. Course selections may be changed if the student is not eligible for placement in a desired course. Students receive a copy of the final Course Selection/Verification Sheet for parent review and signature.

### **April - June**

The school master schedule is developed and student schedules are generated. The Supervisor of Guidance will contact students individually if scheduling conflicts occur.

### **July - August**

Schedules will be posted online for students prior to the beginning of the school year.

## **Withdrawing from a Course**

All course withdrawals require a conference with the parent, teacher, student, counselor and approval from the principal.

### **Year-Long and 1st Semester Courses**

If a course withdrawal occurs before the end of the 1st marking period, the course will be removed from the student's report card. If a course withdrawal occurs after the end of the 1st marking period, a grade of "WF" ("Withdrew Failing") or "WP" ("Withdrew Passing") will be issued depending on the student's current grade in the course. Although a "WP" grade indicates that the student is passing at the time of withdrawal, no credits will be awarded since the course was not completed. The appropriate withdrawal grade will be placed on the report card, but it will not be used in determining class rank or GPA.

### **2nd Semester Courses**

If a course withdrawal occurs before the end of the 3rd marking period for second semester courses, the course will be removed from the student's report card. If a course withdrawal occurs after the end of the 3rd marking period, a grade of "WF" ("Withdrew Failing") or "WP" ("Withdrew Passing") will be issued depending on the student's grade in the course. Although a "WP" grade indicates that the student is passing at the time of withdrawal, no credits will be awarded since the course was not completed. The appropriate withdrawal grade will be placed on the report card, but it will not be used in determining class rank or GPA.



## **Eligibility for Interscholastic and Co-Curricular Activities**

Participation in all athletic and co-curricular activities will be offered to students who meet the basic minimum standards as set forth by the NJSIAA and Clayton HS/MS. Eligibility for both athletic and co-curricular activities will be determined per the following guidelines:

### **NJSIAA Guidelines**

#### **First Semester (September 1st – January 31st) Eligibility:**

First-year incoming freshmen are automatically eligible to participate in first semester athletic and co-curricular activities. Students who are in the 10th grade or higher are eligible to participate in first semester athletic and co-curricular activities if they pass 25% of the graduation credits required by the State of New Jersey during the academic year immediately preceding first semester. The State of New Jersey requires 120 graduation credits, therefore, a student must earn 30 credits during the academic year immediately preceding first semester to satisfy these eligibility requirements. There is no academic probation granted if these standards have not been met by students.

#### **Second Semester (February 1st – June 30th) Eligibility:**

Student who are in the 9th grade or higher are eligible to participate in second semester athletic and co-curricular activities if they pass pass the graduation credits required by the State of New Jersey at the close of the preceding semester. The State of New Jersey requires 120 graduation credits; therefore, a student must earn 15 credits at the close of the preceding semester to satisfy these eligibility requirements. There is no academic probation granted if these standards have not been met by students.

## **Credit Requirements for Grade Level Status**

A student must earn a minimum of 30 credits by the end of the 9th grade to receive 10th grade status.

A student must earn a minimum of 60 credits by the end of the 10th grade to receive 11th grade status.

A student must earn a minimum of 95 credits by the end of the 11th grade to receive 12th grade status.

## Requirements for Graduation

A student must earn a minimum of 135 credits AND meet the New Jersey High School Graduation Assessment Requirements by the end of the 12th grade to be eligible for graduation. Credits are earned as follows:

### Coursework

- ✓ 4 years of English
- ✓ 3 years of Mathematics
- ✓ 3 years of Science
- ✓ 2 years of U.S. History
- ✓ 1 year of World Cultures
- ✓ 1 year of World Language
- ✓ 1 year of Fine or Performing Arts
- ✓ 1 year of Practical Arts
- ✓ Physical Education & Health for each year of attendance
- ✓ ½ year of Financial Literacy(Personal Finance)
- ✓ Additional courses from any of the above areas (except PE/Health)
- ✓ And/or Senior Internship Program, or Vocational Educational Program.

## New Jersey High School Graduation Assessment Requirements

Students in the classes of 2017, 2018 and 2019 will be able to demonstrate the proficiencies in English Language Arts (ELA) and Mathematics required by state statute by either meeting the 'cut score' on the PARCC assessments or meeting the 'cut score' on a substitute assessment or by meeting the criteria of the NJDOE portfolio appeal process. ***For more information regarding substitute assessments please contact the Guidance Office.***

The Class of 2020 can demonstrate graduation assessment proficiency through the same alternative means as those in the Classes of 2017 through 2019, provided that the students in the Class of 2020 take all the PARCC assessments associated with the high school level courses for which they are eligible.

For the Class of 2021 and thereafter, students who have not demonstrated proficiency on the ELA 10 and Algebra 1 PARCC assessments, and have taken all PARCC assessments associated with the high school level courses for which they were eligible can demonstrate graduation assessment proficiency by meeting the criteria of the portfolio appeals process. ***Substitute assessments will not be accepted as a means to demonstrate graduation assessment proficiency for the Class of 2021 and beyond.***

## Grade Scale and Grade Reporting

Numerical averages for all courses are issued on a scale of 0 - 100 and a corresponding letter grade is awarded as follows:

<b>A</b>	100 - 92
<b>B</b>	91 - 84
<b>C</b>	83 - 75
<b>D</b>	74 - 65
<b>F</b>	64 AND BELOW

Grades are available daily online through PowerSchool. In order to view your child's grades you will need your Parental Internet Access Code. Please contact the Guidance Department if you do not know this information.

Progress reports are available four times a year by request. In order to obtain a paper copy please contact the Guidance Department. Each reflects the student's achievement as of mid-marking period. Course credit is not awarded for grades posted on progress reports; therefore, these grades are not used when calculating class rank or GPA.

Report cards are available four times a year to be viewed online. To obtain a paper copy, please contact the Guidance Department. Each reflects the student's achievement at the end of the marking period. Grades posted on report cards are the official recordings of academic progress and will be used to calculate course credit, class rank and GPA. Year-end report card grades are used to prepare official student transcripts.

## Weighted Courses, GPA Calculation and Class Rank

All courses are included in the calculation of a students' grade point average (GPA). The GPA is calculated using the following weighted course system:

<b>General (GN) courses</b>	0 Points
<b>College Preparatory (CP) courses</b>	4 points
<b>Honors (HN) courses</b>	8 points
<b>Advanced Placement (AP)</b>	12 points

Under this system, additional points are added to the final average of courses based on academic challenge. This is referred to as weighting the course. These additional points are added for GPA and class ranking purposes only -- they do not affect final letter grades and are not reflected on report cards or transcripts. Class rank is based on a student's cumulative GPA from 9th through 12th grade.

Based on this weighted course system, GPA is calculated as follows for each course attempted:

**Step 1.**  $(\text{Numerical Average} + \text{Course Weight}) \times \text{Potential Course Credit} = \text{Weighted Numerical Average}$

**Step 2.**  $\text{Total Weighted Numerical Average for all courses} / \text{Total Potential Course Credit for all courses} = \text{GPA}$

# College Entrance Requirements

## Courses

The competitiveness of the College Prep program and the quality of the work completed during four years in high school will serve as a resume for students applying to college. The scholastic record submitted to a college or university through the high school transcript is the most important criteria considered for admission. Although students' abilities differ and grades are as diverse as each applicant is, students should carry the strongest, most competitive program possible throughout their four years of high school. A strong program is one in which a student enrolls in courses which show achievement in English, mathematics, the natural and social sciences, world language, and computer technologies. Courses in the fine, performing, or practical arts can enhance students' program by broadening knowledge and producing lifelong interests. ***For more information on specific requirements, it is recommended that the student research individual colleges and universities.***

## English

*(4 years required)*

Reading and writing are the foundations of a good education. In order to pursue any academic goal, it is important to understand what has been written as well as to express yourself clearly to others. New Jersey requires 4 years of English for graduation.

## Mathematics

*(3 years required, 4 years recommended)*

Most four-year colleges require a student to be competent in Algebra I, Algebra II and Geometry; many expect four years of college prep level mathematics during high school. For example, most Allied Health and Engineering programs require high school students to take 4 years of mathematics, which should include either pre-calculus or calculus. It is suggested that all students carry a mathematics course during each year of high school. New Jersey requires 3 years for graduation.

## Science

*(3 years required, 4 years recommended)*

An educated individual needs to learn and understand humankind and the environment. Courses in biology, chemistry and physics are strongly recommended. Many four-year colleges require at least two years of a laboratory science as background before gaining admission to college. New Jersey requires 3 years of lab science, including biology, a choice among chemistry, physics or environmental science.

## Social Studies

*(3 years required)*

Through the study of history, government, geography, economics, sociology, and psychology, students learn about different cultures and their people to better understand the diversity of the world. New Jersey requires 1 year of World Cultures and 2 years of U.S. History for graduation.

## World Language

*(1 year required, 2-4 years recommended)*

Knowledge of another language and culture helps foster a greater understanding of people. It can also assist a student to better understand and use the English language. Most colleges require at least 2 years of the same foreign language. The State of New Jersey requires 1 year of foreign language for graduation.

## Standardized Entrance Exams

### The SAT Reasoning Test

A three-hour and fifty-minute test that measures critical reading, writing, and mathematical reasoning skills acquired by the student in school coursework. There is also an optional essay. This test is standardized across all students, schools, and states, providing a common and objective scale for comparison. Each section of the SAT is scored on a scale of 200-800. The SAT is typically taken by high school juniors and seniors. **Clayton High School offers an SAT Administration in May and November each year.**

### The SAT Subject Tests

A battery of one-hour, mostly multiple-choice tests that are designed to measure students' knowledge and skills in particular subject areas, as well as their ability to apply that knowledge. Students take the Subject Tests to demonstrate to colleges their mastery of specific subjects, such as English, history, mathematics, science, and language. Some colleges use the Subject Tests for college admission, course placement, and to advise students about course selection. Some colleges specify the Subject Tests they require for admission or placement; others allow applicants to choose which tests to take. *For more information on specific requirements, it is recommended that the student research individual schools to determine if subject area tests are required.*

SUBJECT AREA TESTS ARE NOT REQUIRED BY ALL COLLEGES FOR ADMISSION.

### The ACT Assessment

Evaluates high school students' general educational development and their ability to complete college-level work. The multiple-choice test covers four skill areas: English, mathematics, reading, and science. The Writing Test, which is optional, measures the student's skill in planning and writing a short essay. The ACT is typically taken by high school juniors and seniors.

Students interested in taking any or all of the above tests may obtain registration information from their Guidance Counselor or visit the SAT Preparation Center at [www.collegeboard.com](http://www.collegeboard.com) or the ACT Student Site at [www.actstudent.org](http://www.actstudent.org).

# NCAA (National Collegiate Athletic Association) Eligibility Requirements for College Bound Student-Athletes

In order to practice, play or receive an athletic scholarship as a freshman with a NCAA Division I or Division II college/university, the student-athlete must satisfy the following requirements of the NCAA:

- Graduate from high school;
- Complete the 16 core courses listed below for Division I and Division II.
- Present a minimum required GPA in the student's core courses; and
- Achieve a combined SAT or ACT sum score that matches the student's core-course GPA.

## Division I and Division II

English	4 Years
Math (Algebra I or higher level)	3 Years
Science (physical or natural including one year of lab science)	2 Years
Social Studies	2 Years
Additional English, math or natural/physical science	1 Year
Additional courses from any category above, or foreign language, non-doctrinal religion or philosophy.	4 Years

In Division I, the minimum required GPA in the student's core courses and the combined SAT or ACT sum score are determined by an initial-eligibility index, or sliding scale. Please contact the Guidance Department for more details.

In Division II, there is no sliding scale. The minimum core grade-point average is 2.3. The minimum SAT score is 820 and the minimum ACT score is 68.

NCAA Clearinghouse forms should be completed during the student-athlete's' junior year in high school. Please contact the Guidance Department for more details.

## ENGLISH COURSES

The following courses satisfy the English graduation requirement.

### English I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9	5	1125	Yes

#### Recommended Prerequisite

Successful completion of 8th grade English.

#### Description

This course exposes the students to various literary genres such as the short story, poetry, drama, and the novel. Additionally, students study grammar, mechanics, and sentence structure, often within the framework of the five-paragraph essay. Extensive writing assignments are based on persuasive prompts, speculative prompts, and open-ended questions arising from in-depth literary analyses discussions. This course aligns to the New Jersey student learning standards, prepares students for state assessments, and has a summer reading component.

### English I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9	10	1114B	Yes

#### Recommended Prerequisite

This course is required for all students who are performing at the partially proficient level on ELA literacy assessments.

#### Description

This is a double period course that will provide intensive remediation in Language Arts and Literacy Skills. Students participate in daily whole- and small-group instruction to improve their reading, writing and vocabulary skills. This course aligns to the state's student learning standards, prepares students for state assessments, and has a summer reading component.

### English I HN

Term	Grade	Credits	Course #	NCAA Approved
Year	9	5	1135	Yes

#### Recommended Prerequisite

Minimum average of 92% in 8th grade English and Social Studies and/or teacher recommendation. Must be taken concurrently with World History HN. Proficiency on a PARCC LAL Assessment is required.

#### Description

This course extends the English I CP curriculum for the student of above average ability and performance in reading, critical interpretation, and writing. Students utilize various forms of discourse to discuss both literary and expository topics. Along with critical and creative interpretation of literature from various genres, the honors-level student works on a variety of tasks involving the highest order of thinking skills, such as guided inquiry projects. Students continue to study grammar, vocabulary, and writing mechanics often within the framework of the prose constructed response. This course aligns to the New Jersey student learning, prepares students for state assessments, and has a summer reading component.

## English II CP

Term	Grade	Credits	Course #	NCAA Approved
Year	10	5	1225	Yes

### Recommended Prerequisite

Successful completion of 9th grade English.

### Description

This course emphasizes American literature from the pre-colonial period to the present day. Literary elements are reinforced through class discussions and writings. Students also learn to differentiate the four main themes of discourse (narration, persuasion, exposition, and description) in their reading and writing. Writing assignments are intense in this accelerated class and may involve library research. Vocabulary building is also stressed as the students are expected to incorporate their increased word power into their composition work. This course aligns to the state's New Jersey student learning, prepares students for state assessments, and has a summer reading component.

## English II HN

Term	Grade	Credits	Course #	NCAA Approved
Year	10	5	1235	Yes

### Recommended Prerequisite

Minimum average of 92% in English I CP or minimum average of 84% in English I HN. Proficiency on a PARCC LAL Assessment is required.

### Description

This course extends the English II CP curriculum for the student with above average ability and performance in reading, writing, and critical interpretation. In addition to developing persuasive, expository, and narrative writing, students focus on analytical writing skills in preparation of the English III Advanced Placement course. Along with extensive study of American literature, grammar, vocabulary and writing, honors students complete a library research paper. This course aligns to the New Jersey student learning standards, prepares students for state assessments, and has a summer reading component.

## English III CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11	5	1325	Yes

### Recommended Prerequisite

Successful completion of 10th grade English

### Description

Emphasis in this course is on British authors and their influence on the development of the English language from the Anglo-Saxon period to the twentieth century. An extensive study of literature is provided to meet the future challenges of college and career readiness. Activities include SAT preparation, literary analyses, and a research paper. This course aligns to the New Jersey student learning standards, prepares students for state assessments, and has a summer reading component.

## English III AP

Term	Grade	Credits	Course #	NCAA Approved
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Year	11	5	1335	Yes
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**Recommended Prerequisite**

Minimum average of 92% in English II CP or minimum average of 84% in English II HN. Proficiency on a PARCC LAL Assessment is required.

**Description**

This introductory college-level course is designed to prepare students for the Advanced Placement Language and Composition Exam. Students are required to read and carefully analyze text, to synthesize their own ideas, and to evaluate those of others. Students read and analyze author's' purpose, recognize literary concepts and critically analyze a variety of work. AP students are also required to write a range of essays and expository pieces and demonstrate command of a variety of writing genres. These skills will be exercised on a daily basis. AP Language and Composition is an introductory college course and credit will be given at accredited schools pending a qualifying score on the AP Exam. This course has been approved by the College Board and has a summer reading component. It is strongly suggested that students in this course take the AP Language and Composition Exam.

**English IV CP**

Term	Grade	Credits	Course #	NCAA Approved
Year	12	5	1425	Yes

**Recommended Prerequisite**

Successful completion of English III CP.

**Description**

This course prepares students for the rigors of college and career requirements with an intense review of writing and literary analysis. Literature study focuses on a world literature curriculum. Critical essays and a research paper are the major writing assignments. A unit on college application writing is provided as well. This course aligns to the New Jersey student learning standards and has a summer reading component.

**English IV AP**

Term	Grade	Credits	Course #	NCAA Approved
Year	12	5	1435	Yes

**Recommended Prerequisite**

Minimum average of 84% in English III AP or minimum average of 92% in English III CP. Proficiency on a PARCC LAL Assessment is required.

**Description**

The 12th grade AP English IV curriculum, Literature and Composition, is based on a thorough study of representative works from various genres and periods concentrating on works of recognized literary merit. Works from all genres are read, discussed, and analyzed. This course involves the students in the following elements: the experience of literature, the interpretation of literature, and the evaluation of literature. Students learn how to make careful observations of textual detail, establish connections among their observations, and draw from those connections a series of inferences leading to an interpretive conclusion. Writing assignments will focus on the critical analysis of literature and include expository, analytical, and argumentative essays as well as creative essays. Students will begin to develop stylistic maturity in their writing and reinforce their reading through writing. AP Literature and Composition is an introductory college course and credit will be given at accredited schools pending a qualifying score on the AP Exam. This course has been approved by the College Board and has a summer reading component.

**It is strongly suggested that students in this course take the AP Literature and Composition Exam.**



# MATH COURSES

The following courses satisfy the Math graduation requirement.

## Algebra I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2116	Yes

### Recommended Prerequisite

Successful completion of 8th grade Math.

### Description

This course is designed to establish facility in using basic algebraic skills in problem solving and to establish proficiency in using the skills necessary for the continuing study of algebra and geometry. Topics covered include basic operations in the real number system, solving and graphing the solution set of linear equations and inequalities, factoring polynomials, solving fractional equations, solving linear systems with two variables, using algebra to solve word problems and simplifying radicals.

## Geometry CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2216	Yes

### Recommended Prerequisite

Successful completion of Algebra I CP.

### Description

This course is for students who intend to pursue further education at the college level. Basic concepts of geometric figures are covered. Theorems, postulates, and corollaries are proved and/or discussed and applied. Topics include points, lines, angles, constructions, triangles, polygons followed by other basic geometric figures, and coordinate geometry. Solid geometry, volumes, and inequalities related to geometric concepts are covered.

## Geometry HN

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2218	Yes

### Recommended Prerequisite

Minimum of 92% in Algebra I CP. Proficiency on a PARCC Math Assessment is required.

### Description

This course is designed for advanced students who have successfully completed the Honors Algebra I course and intend to pursue further education at the college level. Concepts of geometric figures are covered. Theorems, postulates, and corollaries are proved and/or discussed and applied. Topics include points, lines, angles, constructions, triangles, polygons followed by other basic geometric figures, and coordinate geometry. Solid geometry, volumes, and inequalities related to geometric concepts are covered. Additional emphasis is given to 3-dimensional figures, algebraic concepts, coordinate geometry, area and volume. Introductory material in advanced constructions, loci, and transformational geometry will also be included.

## Algebra II CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2316	Yes

### Recommended Prerequisite

Successful completion of Algebra I CP, and Geometry CP

### Description

This study of the structure of systems of real and complex numbers includes units, which develop facility in applying algebraic concepts and skills and deductive reasoning. Units include solving open sentences with one, two or three variables, factoring polynomials, operating with rational numbers and expressions, solving quadratic equations and inequalities, graphing relations and functions, working with irrational numbers, and using trigonometric functions and logarithmic functions.

## Algebra II HN

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2118	Yes

### Recommended Prerequisite

Minimum of 92% in Algebra I CP and Geometry CP or minimum of 75% in Geometry HN. Proficiency on a PARCC Math Assessment is required.

### Description

This course is designed for serious students who are interested in attending a four-year college. Content for the course includes equations, inequalities, number systems, algebraic expressions, relations, and functions. High student achievement is expected in problem solving, communications, reasoning, and connecting patterns across the curriculum.

## Pre-Calculus CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	2318	Yes

### Recommended Prerequisite

Minimum of 75% in Algebra II CP or Algebra II HN AND Geometry CP or Geometry HN.

### Description

This is an advanced math course open to juniors and seniors. This course emphasizes the study of trigonometry from the wrapping function to solving triangles. Time is also given to these topics: functions, polynomial equations, logarithmic and exponential functions, conic sections, and systems of equations.

## Calculus HN

Term	Grade	Credits	Course #	NCAA Approved
Year	12	5	2419	Yes

### Recommended Prerequisite

Minimum of 75% in Pre-Calculus CP. Proficiency on a PARCC Math Assessment is required.

### Description

This course is particularly suitable for those students intending to pursue further education at the college level, especially those entering the science or math field. Topics covered include rate of change of a function, limits, derivatives of algebraic trigonometric and exponential functions, applications of the derivative in science, business, and graphing, integration, methods of integration, and the applications of integration.

## SCIENCE COURSES

The following courses satisfy the Science graduation requirement.

### Environmental Science CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	3438	-

#### Description

This is a lab science course designed to provide students with a biological perspective of our environment. The course offers students insight and a global understanding of our environment. Students learn how scientists use science to solve environmental issues. Major topics covered are ecosystems, such as water, air and land pollution, habitat destruction and population growth, leading students to discover how to build a sustainable future. Classroom activities include debates related to current events, case studies, and hands-on labs.

### Biology CP Lab

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	6	3225LL	Yes

#### Recommended Prerequisite

Minimum of 65% and successful completion of Environmental Science CP.

#### Description

This course covers a basic knowledge of biology and is designed to prepare students for the state mandated NJ Biology Competency Test in the biological science content area. There is a double-lab period once per week where students will practice hands-on skills and analytical reasoning. Topics include: cell biology, biochemistry, genetics and heredity, biotechnology, bio-energetics, ecology, and evolution. Student motivation to do preparatory work, including reading assignments, will contribute to success in this course. This course has a summer academics component.

### Biology Honors Lab

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	6	3135L	Yes

#### Recommended Prerequisite

Minimum of 92% in Environmental Science CP or 92% in 8th grade Life Science and score advanced proficient on NJ ASK 8 Science and Math and teacher recommendation.

#### Description

This is a rigorous lab science course designed to cover topics in greater depth than the CP Biology course as well as prepare students for the state mandated NJ Biology Competency Test. Student self-motivation and initiative are important components to success in this advanced course, which includes a double period lab once per week. Topics include: Cell biology, biochemistry, bioenergetics, molecular and organismal genetics, biotechnology, microbiology, ecology, and evolution. The computer will be used to develop spreadsheets, graphs, and to access the Internet, as well as in laboratory applications. Student attitude, a responsible work ethic, as well as a willingness to do work and research beyond the classroom, will help ensure success. Completion of this course provides the college requirement of a laboratory based science. This course has a summer academics component.

## Chemistry CP Lab

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	6	3325LL	Yes

### Recommended Prerequisite

Minimum of 75% in Biology CP AND Algebra I CP.

### Description

This course is recommended for students planning to enter college. In this course, the student learns about the properties of elements and the chemical changes they undergo. The course includes atomic theory and structure, how atoms bond together to form new products, writing chemical equations, performing chemical calculations, solutions, gases, and acids and bases. Basic laboratory techniques are taught which are applied by the student to help them understand theory. The application of chemistry in industry and society is also emphasized. This course has a summer academics component.

## Chemistry HN Lab

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	6	3325L	Yes

### Recommended Prerequisite

Minimum of 92% in Biology CP AND Algebra I CP.

### Description

This course is recommended for students planning to enter college. The course includes atomic theory and structure, how atoms bond together to form new products, writing and predicting chemical equations, performing chemical calculations, solutions, gases, and acids and bases. Advanced laboratory techniques are taught which are applied by students to help them understand theory. The application of chemistry in industry and society and the use of technology are also emphasized. This course has a summer academics component.

## Physical Science CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	3320c	Yes

### Recommended Prerequisite

Successful completion of Biology CP and Environmental Science CP.

### Description

This is a lab science course designed to provide students with hands-on application of physical science. Students will be exposed to major concepts of chemistry and physics including: structure and properties of matter and chemical reactions, forces and their interactions, energy, waves, and electromagnetic radiation. This course is aligned to the Physical Science performance expectations of the Next Generation Science Standards.

## Physics HN Lab

Term	Grade	Credits	Course #	NCAA Approved
Year	12	6	3435A	Yes

### Recommended Prerequisite

Minimum of 84% in Chemistry CP or Chemistry HN AND Algebra II CP or Algebra II HN.

## Description

This is a lab science course designed for students planning to enter college. It is especially recommended for those who plan to pursue a degree in engineering, medicine, or any of the sciences. In this course, the student studies the four general areas of physics: mechanics, light, electricity, and nuclear energy. Each area will be divided into sub-topics and studied from a theoretical and quantitative viewpoint. Teacher demonstrations, as well as student hand-on laboratory exercises, are used to help students visualize the concepts covered.

## Biology AP Lab

Term	Grade	Credits	Course #	NCAA Approved
Year	12	7	3145	Yes

### Recommended Prerequisite

Minimum of 84% in Chemistry HN or minimum of 92% in Chemistry CP and minimum of 92% in Biology CP AND teacher recommendation, or identification through PSAT scores.

### Summer Reading Component will be required

## Description

This course is designed to be the equivalent of a college introductory lab science Biology course usually taken by Biology majors during their first year of college. Biology AP includes those topics regularly covered in a college Biology course. Students should have demonstrated several qualities, such as interest, aptitude, creativity, motivation, and maturity. The student who selects this course should understand that the course demands time and effort well beyond that of a typical high school Biology course. This course is intended to fulfill a second year of Biology. This course will help prepare students for the Biology AP examination, resulting in college credit for those students who score very well on the exam. This course has a summer academic component.

## Introduction to Horticulture Science CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	9001	-

### Recommended Prerequisite

Minimum of 65% and successful completion of Biology

## Description

This course is designed to introduce students to the horticulture industry. Topics include careers in horticulture, agribusiness, botanical nomenclature, basic botany, soil science, hydroponics, greenhouse production, landscape architecture, landscape maintenance and floral designing. Students will make a full use of the greenhouse by raising indoor plants, vegetables, annuals and perennials for market.



## SOCIAL STUDIES COURSES

The following courses satisfy the US History and World Culture graduation requirements.

### World Cultures CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	4125	Yes

#### Recommended Prerequisite

Mandatory enrollment for all 9th grade students.

#### Description

This course provides an overview of several major cultural areas of the world such as Western Europe, India, China, the Middle East, Africa (south of the Sahara Desert) and South Asia and attempts to provide an understanding of, and an appreciation for, the different ways people live and perceive the world around them. Students are expected to master both an understanding of the facts of the period and an interpretation of the impact of and motivation behind key developments.

### World Cultures HN

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	-	Yes

#### Recommended Prerequisite

Minimum of 92% in 8th grade English and Social Studies and/or teacher recommendation. Must be taken concurrently with English I Honors.

#### Description

This is an honors level course for freshman dealing with the historical and cultural foundations of civilization. Student will be engaged in various activities designed to display the link between the past and present. Activities are designed to challenge students to go beyond the text and discern important concepts of themes within each unit. Students can expect to participate in the following activities: oral presentations, written examinations, debates, role playing, technology-based projects, historical film studies, educational excursions, cultural festivals, infomercials, and web quests.

### U.S. History I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	4225	Yes

#### Recommended Prerequisite

Minimum of 65% and successful completion of World Cultures. Summer reading component: To be determined

#### Description

In this course, U.S. History is studied from the Age of Discovery to the end of Reconstruction and the closing of the frontier. This class focuses upon the crucial questions facing America in its developmental years. Primary source readings and documents are interpreted, discussed, and analyzed. Critical issues are investigated in depth. Students are expected to master both an understanding of the facts of the period and interpretation of the impact of and motivation behind key developments.

## U.S. History I AP

Term	Grade	Credits	Course #	NCAA Approved
Year	10-11	5	4235	Yes

### Recommended Prerequisite

Minimum grade of 92% in World Cultures

### Summer Reading Component

To be determined

### Description

This course provides academically talented and high achievement-oriented students with a learning experience equivalent to that obtained in most college introductory American History courses. This course studies the political, social, cultural, and diplomatic development of the American people from the Colonial Period until about 1896. Additionally, after completing this course students will be prepared to elect Advanced Placement American History II for the following year. Taking both courses prepares students to successfully complete the annual AP exam.

## U.S. History II CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	4325	Yes

### Recommended Prerequisite

Minimum of 65% and successful completion of U.S. History I.

### Description

This course will consider the period from the Progressive Era to the modern world, including an examination of the issues, personalities, and available alternatives during each period. Depth, detail, and rich discussion of content are emphasized in this course. Students are expected to analyze, interpret, and apply primary sources in their investigation of the 20th century.

## U.S. History II AP

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	4245	Yes

### Recommended Prerequisite

Minimum of 84% in US History I AP or minimum of 92% in US History I CP, AND teacher recommendation. Summer reading component: To be determined.

### Description

This college level course traces American History from about 1896 until recent events. Taught according to standards established by the College Board, AP United States History prepares students for success on the AP United States History exam.

## American Military History CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	4463A	Yes

### Recommended Prerequisite

Minimum of a 75% in U.S. History I and/or U.S. History II

**Description**

This course will provide a fascinating recurring theme in the human story: armed conflict. From a primarily western civilization perspective, students will learn to think critically about war as it has occurred across time and continents. They will analyze how cultural, political, and social institutions have been causal agents of war as well as how they have been shaped by war. This elective will provide interested students the opportunity to further examine military-related topics discussed in World Studies and U.S. History. It will also provide a more robust historical context for understanding modern conflicts.

# WORLD LANGUAGE COURSES

The following courses satisfy the World Language graduation requirement.

## French I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	5114	Yes

### Description

This course is designed for students planning to enter college. Using a thematic and communicative approach, this Level I course introduces and develops listening, reading, speaking, and writing skills in the target language. Cultural aspects of Francophone society are integrated within the curriculum. About 50% of the class is conducted in French.

## Spanish I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	5118	Yes

### Description

This course is designed for students planning to enter college. Using a thematic and communicative approach, this Level I course introduces and develops listening, reading, speaking, and writing skills in the target language. Cultural aspects of Hispanic society are integrated within the curriculum. About 50% of the class is conducted in Spanish.

## French II CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	5214	Yes

### Recommended Prerequisite

Minimum average of 65% and successful completion of French I CP.

### Description

This course is designed for students planning to enter college. This course develops the skills that were introduced in French I CP. Students are encouraged to express themselves in the target language by practicing patterns of everyday conversation and apply listening, reading, and writing skills. About 75-80% of the class is conducted in French.

## Spanish II CP

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	5119	Yes

### Recommended Prerequisite

Minimum average of 65% and successful completion of Spanish I CP.

### Description

This course is designed for students planning to enter college. This course develops the skills that were introduced in Spanish I CP. Students are encouraged to express themselves in the target language by practicing patterns of everyday conversation and apply listening, reading, and writing skills. About 75-80% of the class is conducted in Spanish.

## French III CP

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	5315	Yes

### Recommended Prerequisite

Minimum average of 75% in French II CP.

### Description

This course is designed for students planning to enter college. This course emphasizes and builds upon grammatical structures developed in French II CP and prepares students to read and analyze literature. This course prepares students to read and write proficiently in French. It also prepares students to function self-sufficiently in a Francophone society. About 85-90% of the class is conducted in French.

## Spanish III CP

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	5316	Yes

### Recommended Prerequisite

Minimum average of 75% in Spanish II CP.

### Description

This course is designed for students planning to enter college. This course emphasizes and builds upon grammatical structures developed in Spanish II CP and prepares students to read and analyze literature. This course prepares students to read and write proficiently in Spanish. It will also prepare students to function self-sufficiently in a Hispanic society. About 85-90% of the class is conducted in Spanish.

## French IV HN

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	5415	Yes

### Recommended Prerequisite

Minimum average of 84% in French III CP, or teacher recommendation.

### Description

This course is designed for students planning to enter college. French literature is integrated with other authentic materials to enhance students' oral proficiency and grammatical accuracy. The course offers students an appreciation for Francophone culture and reinforces their ability to personalize the target language and interact in real life situations. About 90-95% of the class is conducted in French.

## Spanish IV HN

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	5416	Yes

### Recommended Prerequisite

Minimum average of 84% in Spanish III CP, or teacher recommendation.

### Description

This course is designed for students planning to enter college. Spanish literature is integrated with other authentic

materials in this course in order to enhance students' oral proficiency and grammatical accuracy. The course offers students an appreciation for Hispanic culture and reinforces their ability to personalize the target language and interact in real life situations. The last marking period of the year will be dedicated to conversational Spanish. Students will have related vocabulary lists and ideas that will enable them to create a conversation to be held with another classmate. This skill will help relieve the stigmatism that goes along with "speaking" the language since by this time they will be thoroughly proficient in reading and writing the language. About 90-95% of the class is conducted in Spanish.

## PHYSICAL EDUCATION & HEALTH COURSES

The following courses satisfy the Physical Education & Health graduation requirement. All courses are general and non-weighted.

### PE, Health 1, Freshman Seminar

Term	Grade	Credits	Course #	NCAA Approved
Year	9	5 / 4	0100/0100(4)	-

#### Physical Education

Students participate in a wide variety of team and individual sports and activities with an emphasis on the continued development of skill and their application to a game or competitive situation. All students must fulfill a unit requirement on new games and adventure team building activities. Fitness activities including circuit training, aerobics and dance are also incorporated into units.

#### Freshman Seminar

Seminar unit consists of cooperative learning activities, life skills, goal setting for careers or college, and organizational skills. This is a mandatory course for all 9th grade students. The course was set in place to facilitate students' transition from middle school to high school. Freshman students are all given ownership of the book, *The 7 Habits of Highly Effective Teens*. The students have the opportunity to practice/apply these concepts in the classroom and in everyday life.

### PE & Health 2 / 2L

Term	Grade	Credits	Course #	NCAA Approved
Year	10	5 / 4	0200 / 0200L	-

#### Physical Education

Students participate in a wide variety of team and individual sports and activities with an emphasis on the continued development of skill and their application to a game or competitive situation. All students must fulfill a unit requirement on new games and adventure team building activities. Fitness activities including circuit training, aerobics, and dance are also incorporated into units.

#### Health (Driver's Education)

Driver education helps 10th grade students learn desirable driving skills and attitudes. During the ten-week instruction period, emphasis is placed on driver qualifications, state traffic laws, care and maintenance of the car, and ten hours of drug education. The Graduated Driver License (GDL) system for first-time New Jersey drivers went into effect on January 1, 2001. This multi-step system changed the way new drivers obtain a driving license. The GDL system extends the period to obtain a permanent New Jersey driver license by providing more time for the applicant to gain valuable on-the-road driving skills while supervised thereby increasing safety on the roadways and decreasing crashes involving teens. Research indicates new drivers benefit from extended time to master driver theory, knowledge, and skills. The GDL system allows new drivers the time needed to acquire new experiences. Students will complete the State Driving Examination in class.

### PE & Health 3 / 3L

Term	Grade	Credits	Course #	NCAA Approved
Year	11	5 / 4	0300 / 0300L	-

## Physical Education

Students participate in activities that place a strong emphasis on fitness and wellness concepts and developing skills in lifetime activities. All students must fulfill the fitness unit requirement and project.

## Health (First Aid)

This course offers 11th grade students detailed instruction in first aid procedures and ten hours of drug education. Basic principles and techniques of first aid are discussed throughout the course; also blocked air passage and basic CPR are taught. Venereal disease, steroids, and AIDS education are also included.

## PE & Health 4 / 4L

Term	Grade	Credits	Course #	NCAA Approved
Year	12	5 / 4	0400 / 0400L	-

## Physical Education

Students will participate in activities that place a strong emphasis on fitness and wellness concepts and developing skills in lifetime activities. All students must fulfill the fitness unit requirement and project.

## Health (Physiology)

This course emphasizes family relationships, healthcare, and careers. Mental and emotional health topics are also covered in detail. Environmental issues of recycling, pollution, and industrial are discussed. Ten hours of drug education is also included. All students must complete the careers project.



## FINE OR PERFORMING ARTS COURSES

The following courses satisfy the Fine or Performing Arts graduation requirement. All courses are General and non-weighted. Note: Fine or performing Art Courses are not NCAA approved.

### Music

#### Chorus

Term	Grade	Credits	Course #	NCAA Approved
Year	9	5	8130	-
Year	10	5 / 4	8131 / 8131a	-
Year	11	5 / 4	8132 / 8132a	-
Year	12	5 / 4	8133 / 8133a	-

#### Description

High School Chorus provides an opportunity for students from grades nine through twelve to discover, develop, and/or refine their vocal talents. Students gain experience in singing three-part and four-part accompanied and unaccompanied music. They are able to become more confident vocalists while they continue to develop their overall musicianship. The chorus also serves as a training ground for those students who audition for and sing with the regional and state choruses. Public performances are another important function of the chorus.

#### Select Choir

Term	Grade	Credits	Course #	NCAA Approved
Year	10	5 / 4	2120 / 2120a	-
Year	11	5 / 4	8037a / 8038a	-
Year	12	5 / 4	90004 / 90003	-

#### Prerequisite

Students must audition for, and be accepted into the Select Choir during the fourth marking period of the previous school year. No more than 20 students will be accepted.

#### Description

Select Choir is open to students in grades 10-12. The course is designed to challenge those students who have a strong desire to improve their musicianship. Students must be self-motivated and serious musicians. Music to be performed will often be in different languages and styles, a cappella, and/or contain complex musical material. The Select Choir will be the primary CHS performing group at co-curricular and community functions.

#### Concert / Jazz Band

Term	Grade	Credits	Course #	NCAA Approved
Year	9	5	8041	-
Year	10	5 / 4	8042 / 8042a	-
Year	11	5 / 4	8043 / 8043a	-
Year	12	5 / 4	8044 / 8044a	-

#### Description

Students focus on the basic techniques and fundamentals of their primary instruments. Beginning students develop proficiency through exposure to increasingly difficult selections from various genres. Performance opportunities include, but are not limited to, performing arts department programs and other school functions. Curriculum requirements apply. Students will also be expected to participate in components of jazz band performances. Students will be expected to participate in Jazz Band/Concert band festivals/practices as deemed appropriate by the Instructor.

## Modern Music

Term	Grade	Credits	Course #	NCAA Approved
Semester	9-12	2.5	8033	-

### Description

Modern Music examines the contemporary times of music. Students read texts regarding music performance, education, promotion, production, ensemble, and artist history.

## Music Appreciation

Term	Grade	Credits	Course #	NCAA Approved
Semester	9-12	2.5	8039	-

### Description

Music Appreciation is a study of music in the world—past, present, and future. American music, as well as music of other cultures, will be discussed. Various styles of music will be covered including classical, folk, jazz, and popular music in addition to music of the theatre, opera, and films. Students will be required to give both written and oral presentations.

## Art

### Art I

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	8115	-

### Description

This course provides students with opportunities to experience and create various original works of art. The course acquaints students with materials, skills, techniques, processes, and styles of art while helping them become aware of art as a means of visual communication and expression. Areas explored include drawing, painting, printmaking and pottery.

### Art II

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	8215	-

### Recommended Prerequisite

Minimum of 65% and successful completion of Art I

### Description

This is a second year art course that offers students further exploration in painting, designing, drawing, sculpture, printmaking, some computer graphics and ceramics. Students have the opportunity to create original art works of varied media through the use of traditional and contemporary methods.

### Art III

Term	Grade	Credits	Course #	NCAA Approved
Year	11/12	5	8415	-

#### Recommended Prerequisite

Minimum of 75% in Art II

#### Description

This course probes deeper into techniques and technologies needed in the Fine Arts and the Commercial Art fields. Great attention is focused on building a portfolio that will be needed for entrance into an Institute or College of Art upon graduation.

### Art IV

Term	Grade	Credits	Course #	NCAA Approved
Year	12	5	8315	-

#### Recommended Prerequisite

Minimum of 84% in Art III

#### Description

This course is for students who are considering pursuing a career in art. In a studio setting, students pursue areas of their greatest interest. Art production, analyzing, art appreciation, and aesthetics are included in the course objectives.

### Theater & Drama

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2819HS	-

#### Description

Students will learn the history and aspects of theater, as well as write, perform, and produce small skits. They will also examine certain plays and musicals that were significant in the development of theater as we know it today. There will be a balance of performing and nonperforming in the class. During the spring musical season (January – March), Students will assist with props, costumes, sets, etc.

## PRACTICAL ARTS COURSES

The following courses satisfy the Practical Arts and/or additional credit course requirement for graduation. All courses are General and non-weighted. Note: Practical Art courses are not NCAA approved.

### Accounting I CP

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	6304	-

#### Recommended Prerequisite

A minimum of 75% in any HS math course

#### Description

This is a college preparatory course that emphasizes the principles, practices, concepts, and procedures involved in the accounting cycle for both proprietorship and a partnership. Accounting work requires that students have the ability to handle numbers, follow specific procedures, and succeed in problem solving situations. This course involves academic level difficulty in coursework and is targeted for students who are interested in majoring in business administration in college.

### Accounting II CP

Term	Grade	Credits	Course #	NCAA Approved
Year	11/12	5	6404	-

#### Recommended Prerequisite

Minimum of 75% in Accounting I

#### Description

This is a college preparatory course that provides a review of the fundamental principles learned in Accounting I and moves into the more complex mechanics of accounting. Students will learn how to calculate payroll, dispense dividends and use computer simulations to learn real world accounts techniques.

### Entrepreneurship & Business Management

Term	Grade	Credits	Course #	NCAA Approved
Semester	9-12	2.5	7210	-

#### Description

This course is designed to allow students to understand and apply management and entrepreneurial principles. Topics covered include modern management styles, problem-solving skills, modern business trends and other business strategies to successfully own and operate a business.

### Marketing Essentials I

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	3814	-

#### Description

This course is designed to enable students to understand and apply marketing principles, make rational economic

decisions, and exhibit social responsibility in a global economy. A wide range of traditional business topics are covered with a particular focus on the basic principles of marketing.

## Intro to Business

Term	Grade	Credits	Course #	NCAA Approved
Semester	9-12	2.5	1266	-

### Description

This course provides a general overview of business. Students learn how to determine the wants and needs of a society, different types of economies, marketing, management and other areas that relate to business

## Intro to Video & Video History

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	7275	-

### Description

This course offers students an overview of video production history with technical aspects being emphasized. Students are instructed in video production equipment and personnel. Basic video production and audio systems are introduced in various formats. Post-production skills of editing and special effects with the use of computer technology are also covered.

## Video Production

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	7375	-

### Recommended Prerequisite

Minimum of 75% in Introduction to Video/Video History

### Description

This course further expands the student's previously acquired skills and knowledge of Video Productions. The students will be producing the school news show, "News On Deck". It allows students to become more proficient with equipment, skills, techniques, and awareness of the camera as a means of visual communication and expression. Larger scale productions both in and out of the studio will be created.

## Independent Study of Video Production

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	7477	-

### Recommended Prerequisite

Minimum of 84% in Video Production

### Description

This course is for those students who are planning to pursue one of the many Video Production or Communication careers. Preparation of a completed video portfolio for college is stressed. Students will work closely with students in the Communications classes. Students become more proficient in both studio and location settings. This course allows students to pursue areas of interest such as producing and writing scripts for various types of videos. Production, critiquing, and video aesthetics are included in the course objectives.

## Computer Graphic Arts

Term	Grade	Credits	Course #	NCAA Approved
Semester	10-12	2.5	7475	-

### Recommended Prerequisite

Successful completion of Art I

### Description

Computer graphics is one of the fastest growing areas in the field of visual communication. This course is intended to prepare students in the use and knowledge of the tools required in developing and executing visual design and composition, including Photoshop and Illustrator. The student is exposed to color levels, masks, transparency, layers, channels, vectors, paths, optimizing, filters, and many more graphic issues. Students develop skills in various aspects of advanced computer graphics and animation. They combine art and technology to communicate ideas and develop both still and/or animated images. The student to create and controls the production of information designed to inform, persuade, educate or entertain an audience.

# SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

## Engineering & Robotics I

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	21009	-

### Description

The Engineering and Robotics I course will introduce students to the concept of building and programming robots. The class is the first in a series of Science, Technology, Engineering and Math (STEM) based classes. Students will use LEGO Mindstorms EV3 kits to build robots that will be used in peer group challenge projects. Students will learn how to program robots to perform movements, utilize feedback sensor controls, and enhance speed and power using gears. As a result of this acquired knowledge, students will be able to create more elaborate robots that will perform more elaborate tasks.

## Engineering & Robotics II

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5	7321	-

### Recommended Prerequisite

Successful completion of Engineering and Robotics I

### Description

The Engineering and Robotics II course will extend the concepts learned in the Engineering & Robotics I course. The class is the second in a series of Science, Technology, Engineering and Math (STEM) based classes. Students will use EZ-Robot kits, which give students a vastly different approach to robot building and programming. The EZ-Robot kits utilize easy-to-implement servos, sensors, cameras, LEDs and digital displays. Students will learn how to program EZ-Robot using an elaborate, but simple, programming language that can scale development from beginner's level to advanced levels.

## Engineering & Robotics III

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	-	-

### Recommended Prerequisite

Successful completion of Engineering and Robotics I and Robotics II

### Description

The Engineering and Robotics III course will include curriculums for 3D Printing and Unmanned Aerial Systems (UAS)/Drones. The class is the third in a series of Science, Technology, Engineering and Math (STEM) based classes. The 3D Printing curriculum will utilize the MakerBot Replicator 3D printer. Students will learn the concepts required to produce various 3D objects. Students will use 3D design software to create and modify designs to be colorfully printed. The UAS curriculum will utilize the DJI Phantom 4 Quadcopter. Students will learn the basics behind UAS development, safety, training, and eventually flight. Prior to actual flight, students will engage in flight simulation in order to familiarize them with UAV control. UAV flying will also include both photo and video capture.

## Drafting / CAD

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	9931	-

### Description

The Drafting/CAD course will include curriculums for Drafting and for Computer Aided Design (CAD). The Drafting curriculum will include all the basics needed to be able to produce scaled engineering drawings. This includes drafting, lettering, drafting tools, line types, scaling, and views. Students will draw various objects to be submitted as projects. The CAD curriculum will include learning the basics of using AutoSketch 9 software application. Students will see how much more straightforward and accurate the software application is to use as compared to manually drawing the same objects on paper. The drawings created manually will be reproduced using AutoSketch 9.

## Technical Services I

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5 / 4	7217 / 7217a	-

### Description

The Tech Services I course offers students training in routine computer maintenance and troubleshooting. Students will develop an understanding of various operating systems, software packages, peripherals, and networking. Students are grouped in small teams where they will collaborate to conduct routine maintenance, servicing, troubleshooting and problem identification.

## Technical Services II

Term	Grade	Credits	Course #	NCAA Approved
Year	10-12	5 / 4	7317 / 7317a	-

### Recommended Prerequisite

Minimum average of 70% in Technical Services I

### Description

The Tech Services II course offers students advanced training in computer and network maintenance and troubleshooting. Students will gain a higher-depth insight into what they learned in the Tech Services I course. Students will learn how to completely remove and restore all components from a computer, how to set up home networks, how to make Ethernet cables, how to install operating systems, and much more.

## Introduction to Computer Science

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	9713	-

### Description

Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools and languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

## Web Development



<b>Term</b>	<b>Grade</b>	<b>Credits</b>	<b>Course #</b>	<b>NCAA Approved</b>
Year	9-12	5	1375	-

### **Description**

In this course, students will learn all of the necessary skills to become a successful web designer. Students will start off first by learning how to read and write the essential languages of the web: HTML & CSS. Students will explore basic design principles like color theory and typography, which will help them to structure and design websites and advance on to make responsive websites using the latest tools and techniques. Students will learn how to create basic web applications using languages such as PHP, Python, Ruby, and Javascript. Students will develop the knowledge necessary to create web applications (like social networks) and simple web apps.

## **App Development**

<b>Term</b>	<b>Grade</b>	<b>Credits</b>	<b>Course #</b>	<b>NCAA Approved</b>
Semester	10-12	2.5	6101	-

### **Description**

iOS Developers write software applications (apps) using a programming language called Objective-C and development environment called Xcode. In this course, students will get off to a running start by building a simple iphone app to become familiar with the Xcode environment. Then, they'll switch gears and get a more formal introduction to programming and iOS development. Students will complete a intermediate iphone app that reads external data sources.

## GENERAL ELECTIVE COURSES

The following elective courses may be used to satisfy the additional credit requirement for graduation. All courses are General and non-weighted.

### Financial Literacy

Term	Grade	Credits	Course #	NCAA Approved
Semester	11-12	2.5	2555	-

#### Description

*THIS COURSE MEETS THE STATE GRADUATION REQUIREMENTS FOR FINANCIAL LITERACY.*

Financial learning does not just take place in the classroom. "The world is your classroom" holds true for students of every age, from youth to adult. Each day we have the opportunity to expand our awareness and knowledge of personal financial decision-making. Our Personal Finance course at Clayton High School can easily be adapted for use in a wide variety of settings. Through the use of many hands-on activities, students gain a strong understanding of financial conditions that surround them in everyday life. Some of the concepts covered include money making decisions, buying a car, balancing of financial accounts, handling credit, consumer awareness, advertising, and micro & macroeconomics.

### Computer Literacy

Term	Grade	Credits	Course #	NCAA Approved
Semester	9-12	2.5	2556	-

#### Description

Digital technology, from e-mail and the Internet to cell phones, ATMs, and MP3 players, is a constant part of daily life. Employers increasingly expect people entering the workforce to have basic computer and software skills. Individuals lacking such skills, and a way to obtain them, are at an increasing disadvantage in both the local and global economy.

The Digital Literacy curriculum provides the opportunity to learn those skills, and to obtain a certificate recognizing the accomplishment. The only prerequisite for taking the program is the ability to read a newspaper.

### Intro to Mass Media & Communications

Term	Grade	Credits	Course #	NCAA Approved
Year	9-10	5	1267	-

#### Description

This course is designed to introduce students to the many forms of media/communications including print and broadcast journalism, advertising, public relations, and the Internet. Students distinguish between different forms of media and public relations as well as learn about writing styles used in mass media.

### College & Career Planning Seminar

Term	Grade	Credits	Course #	NCAA Approved
Semester	10-12	5	90093	-

Recommended Prerequisite

Must be taken either concurrently with or after Algebra 2 CP

## Description

Students will learn about the elements of the college application process. Topics covered will include identifying suitable colleges, a personal analysis; resume building/writing, creation of the activity resume, the role of the transcript and standardized testing, recommendations, communicating with college admissions offices and visiting college campuses. This course includes instruction in test taking strategies and procedures for the ACT and the SAT. They will use the internet to research colleges and should be able to create a tentative list of colleges to investigate and finalize a list of colleges for which they will apply, prepare portfolios and auditions as applicable, take all tests, as well as write essays. This course must be taken in conjunction with SAT prep. **This course is recommended for college bound students.**

## Public Speaking & Debate

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	2839	-

### Description

This course provides instruction and practice in the art of public speaking, with emphasis on debate. They will learn the elements of Extemporaneous Speaking (impromptu speeches analyzing current events), and Model Congress. Most of the course will focus on the in-class debating of major political and ethical issues. Students are taught case-writing, rebuttals, cross examination skills, analytical thinking, and political and moral philosophy.

## Fitness & Nutrition For Life

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5	6300	-

### Description

This is a full year course that helps students understand the importance of lifetime fitness & nutrition. The students will work in the classroom setting 3 to 4 days a week and in the gymnasium 1 to 2 days a week. The students will work on an individual fitness plan and learn to prepare nutritious foods that can help them towards their fitness goals. The goal of the class is for students to incorporate what they learn toward a healthier lifestyle that includes a fitness plan and healthier dietary choices.

## JROTC COURSES

Term	Grade	Credits	Course #	NCAA Approved
Year	9-12	5 / 4	0501 / 0501L	-
Year	10-12	5 / 4	0005 / 0004	-
Year	11-12	5 / 4	0506 / 0505	-
Year	12	5 / 4	2468 / 2784	-

### Description

This program is designed to teach high school students (grades 9TH – 12TH ) the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in them self-esteem, teamwork, and self-discipline. The program of instruction is based on a systematic progression of learning designed for the student's development starting at the freshman year and progressing through the senior year. Major units of study include: Citizenship in Action, Leadership Theory and Application, Foundations for Success Wellness, Fitness, and First Aid, Geography, Map Skill and Environment Awareness, and Citizenship in History and Government.

### JROTC 1

Instruction is blended with a series of practical exercises and activities to include but not limited to: Leadership obstacle courses (several and various), strategy and critical thinking board games, scavenger hunt strategy, homecoming parade, color guard at town functions, sumo strategy, cadet service of the staff, rifle team competition, civic functions, Veteran's Home, snow cleanup for the elderly and drill team competitions.

### JROTC 2

Instruction is blended with a series of practical exercises and activities to include but not limited to: Reinforcement of JROTC I and initial training life saving skills, drug and alcohol training, topographic maps, land navigation, grid system, battle lab visit to Ft. Dix, cadet challenge competition, Constitution game/competition, uniform awards, judicial system working and field trip cadet ball and Raider team competition.

### JROTC 3

Instruction is blended with practical exercises, instructions and activities. Exposure to events and learning utilizing field trips with the goals of sharpening self-management skills, developing and using leadership skills, developing and utilizing relationships, refining communication skill, promoting citizenship and community service, understanding geo political events, physical education and life skills such as money management, job/career development and responsibility to society.

### JROTC 4

This course is a continuation of JROTC 3 with emphasis being placed on ethical reasoning, planning and decision making, applied leadership, fitness, community involvement, and the job market. Cadets assume senior positions of leadership and assist the instructors. Second term has emphasis on practical application of skills learned in first term to include performance in assigned command and staff positions within the cadet organization, preparation and execution of the annual Federal Command Inspection, JROTC recruiting, career planning, seminars, advanced leadership labs and U.S. Government.

# CLAYTON VIRTUAL HIGH SCHOOL ACADEMY

Clayton High school has partnered with online program providers in order to expand our academic and career course offerings. On-line learning is for the self-motivated and independent student. Students will be offered a daily independent lab class (42 min.) that will allow them to complete 126 course hours during the school year. Students may take two online academic or career elective classes per year.

## Penn Foster Career Diploma Programs

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	-	-

### Description

Through the Penn Foster/Clayton High School Partnership, students have a unique opportunity of enrolling in one of Penn Foster Career Diploma programs. Students who successfully complete a Career Diploma Program may pursue a career path after graduation from Clayton High School. Credits earned during this program may be applied towards a High School Diploma, as well as be on a path towards a Career Diploma or even Industry Certification.

Clayton High School will provide students an opportunity to earn 126 course hours towards each certificate per year (5 credits). ***Most Career programs require additional course hours beyond the school day.*** Students may arrange for an internship in their senior year if they meet the requirements of the internship program.

- The cost of enrolling in the Career Diploma Programs is **\$175.00** and must be paid before the start of the program. **COST MAY BE SUBJECT TO CHANGE. COST MUST BE PAID PRIOR TO STARTING THE COURSE.**
- **JUNIORS MUST HAVE OBTAINED A MINIMUM OF 80 CREDITS TO BE ELIGIBLE FOR ENROLLMENT INTO A PROGRAM.**
- **SENIORS MUST HAVE OBTAINED A MINIMUM OF 120 CREDITS TO BE ELIGIBLE FOR ENROLLMENT INTO A PROGRAM.**

## Automotive Careers

### Auto Repair Technician

Course Hours: 520.0

Recommended Prerequisite: Automotive Engine Theory

Requirement: Internship

Begin with automotive basics and move on to a more advance knowledge of electrical systems, transmissions, and engine overhaul. Start simple jobs in just a few weeks.

## Business Careers

### Bookkeeping

Course Hours 310.0

Recommended Prerequisite: Accounting I or II

Enjoy a satisfying career in bookkeeping and accounting. Learn everything you need to know-banking, payroll, inventory, taxes, how to keep a journal, make a ledger and prepare a balance sheet.

## **Hotel and Restaurant Management**

Course Hours: 162.5

Recommended Prerequisite: Food Prep Theory

Requirement: Internship

This program includes Marketing and Sales, Hospitality Accounting, Cost Controls, and Legal Aspects. You will also learn Menu Planning, Food Preparation, Purchasing and Storage, and more.

## **Child Day Care Management**

Course Hours: 285.0

Recommended Prerequisite: Health Science I or Entrepreneurship/Business Management or Marketing I

Train for a rewarding career caring for children in day-care centers and preschools; learn crafts, creative play, nutrition, psychology, and more.

## **Health Services Careers**

### **Dental Assistant**

Course Hours: 405.0

Recommended Prerequisite: Dental Assisting Theory I and II

Requirement: Internship

Learn how to manage the dental office, schedule appointments and update patient records. Your lessons include Dental Terminology and Anatomy, Nutrition, Disease Transmission, Pathology, Dental Emergencies, and more.

### **Medical Coding and Billing**

Course Hours: 586.0

Recommended Prerequisite: Accounting

Requirement: Internship

Learn billing and medical codes, creating paper records, generating billing statements, researching and auditing claims, body system terminology, advanced pharmacology, and more. Train to work with HMOs and other forms of insurance organizations.

### **Medical Office Assistant**

Course Hours: 620.0

Recommended Prerequisite: Accounting or Health Science I

Requirement: Internship

Join the fast growing healthcare field. Work with doctors. Master valuable office skills and get specialized medical knowledge like anatomy, pharmacology, lab procedure, and more.

### **Pharmacy Technician**

Course Hours: 387.5

Recommended Prerequisite: Pharmacy, Accounting I or II

Requirement: Internship

Start toward a moneymaking career in health care. Step-by-step lessons teach you how to work with pharmaceuticals for hospitals, pharmacies and pharmaceutical manufacturers.

## **Physical Therapy Aide**

Course Hours: 77.5

Recommended Prerequisite: Health Science I

Requirement: Internship

Start a career in health care. Helping patients improve their mobility and keep injuries from turning into permanent disabilities. No other career can give you the same feeling of accomplishment.

## **Veterinary Assistant**

Course Hours: 337.5

Recommended Prerequisite: Veterinary Assisting I, II, III

Requirement: Internship

Learn animal nursing, emergency care, veterinary terminology, nutrition, handling and restraint, breeding, physical examination, aging and more.

## **Trade Careers**

### **Electrician**

Course Hours: 597.5

Recommended Prerequisite: Electricity I

Requirement: Internship

Learn the classifications and categories of electricity, conduit fittings, installation, and heating and lighting practices for home, business, and industry.

### **HVAC Technician**

Course Hours 417.5

Recommended Prerequisite: HVAC Theory

Learn how to operate, manage, sell, manufacture, install and service all types of air conditioning and refrigeration equipment.

### **Plumber**

Course Hours: 447.5

Recommended Prerequisite: Plumbing Theory

Interpret construction drawings and specifications; assemble, install, test, and maintain plumbing systems, repair and maintain water-heating systems; install and troubleshoot the plumbing for dishwashers, and more.

## **On Line Advanced Placement Courses**

**THE COST FOR EACH AP CLASS IS \$120.00. COST MAY BE SUBJECT TO CHANGE. COST MUST BE PAID PRIOR TO TAKING THE COURSE.**

### **Calculus AP (Virtual Online AP Course)**

<b>Term</b>	<b>Grade</b>	<b>Credits</b>	<b>Course #</b>	<b>NCAA Approved</b>
Year	11-12	5	-	-

#### **Recommended Prerequisite**

Minimum of 92% in Pre-Calculus CP

#### **Description**

The primary goals of the course are to offer a sound and thorough understanding of Calculus concepts, in addition to adequately preparing students for success on the AP exam. Topics include rate of change of a function, limits, derivatives of algebraic trigonometric and exponential functions, applications of the derivative in science, business, and graphing, plane analytical geometric, integration, methods of integration, and the applications of integration.

### **Statistics AP (Virtual Online AP Course)**

<b>Term</b>	<b>Grade</b>	<b>Credits</b>	<b>Course #</b>	<b>NCAA Approved</b>
Year	11-12	5	-	-

#### **Recommended Prerequisite**

Minimum of 92% in Algebra II CP or minimum 84% in Algebra II HN or minimum 92% in Pre Calculus CP

#### **Description**

Statistics AP is the high school equivalent of a one semester, introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in construction models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data

### **Chemistry AP (Virtual On Line AP Science Course)**

<b>Term</b>	<b>Grade</b>	<b>Credits</b>	<b>Course #</b>	<b>NCAA Approved</b>
Year	11-12	5	-	-

#### **Recommended Prerequisite**

Minimum of 92% in Chemistry CP or minimum 84% in Chemistry HN

#### **Description**

Chemistry AP is taught as a second year chemistry course. The course is taught as a rigorous freshman college level full year course and will expand on topics taught in the first year of chemistry.

### **US Government & Politics AP (Virtual On Line AP History Course)**

<b>Term</b>	<b>Grade</b>	<b>Credits</b>	<b>Course #</b>	<b>NCAA Approved</b>
Year	12	5	-	-

#### **Recommended Prerequisite**

Minimum of 92% in US History II CP or minimum 84% in US History II AP



## Description

This course provides interested students with a college-level survey course in American government and politics. The course seeks to equip students with the ability to identify and analyze some of the central questions suggested by the theory and practice of American democracy. Further, students are expected to demonstrate mastery of the factual and theoretical knowledge associated with such identification and analysis.

## Art History AP (Virtual On Line AP Course)

Term	Grade	Credits	Course #	NCAA Approved
Year	12	5	-	-

### Recommended Prerequisite

Minimum of 92% in Art III. Can be taken concurrently with Art IV.

## Description

In this course, students will study art that corresponds with each period in Western history, as well as examples and influences beyond the European tradition. Beginning with the Cro-Magnons, work will cover every major period and style through the beginning of the twenty-first century. The course content will be delivered through textbook readings, online assignments, and required independent museum visits. Readings, visual analyses, research papers, and online discussions cover elements of design, symbolism, influences, and purposes of art to enable students to evaluate the meaning and quality of individual works. Students will cultivate an appreciation of various types of art and develop critical thinking skills as they expand their knowledge of the cultural context of works of art from Europe, Asia, Africa, and the Americas. Topics include the most important artists of each era, as well as the social and cultural influences that shaped artists' approaches to painting, sculpture, or architecture. The text also offers reading on music, literature, and philosophy that complement the artistic and historical context.

## On Line Psychology Through Rowan College at Gloucester County (PSY101 - General Psychology)

Term	Grade	Credits	Course #	NCAA Approved
Year	11-12	5	-	-

### Description

This is an introduction to the study of behavior. The scientific method is studied with its application as seen in the principal research findings in the major areas of modern psychology, such as human development and individual differences, sensations and perception, learning and intelligence, personality formation and abnormal psychology. **Students taking this course will need to meet the RCGC prerequisite of passing RDG099 Introduction to College Reading, or equivalent (please see your counselor for details).** Students taking this course will earn high school credit in addition to 3 college credits at RCGC.

**Cost - During the 2016-2017 School year this course cost \$198.57 and textbook fees of approximately \$130 to \$260. These figures are expected to increase slightly for the 2017-2018 Academic Year. New figures for the 2017-2018 School year will be given before students are registered for the course. ALL COURSE AND TEXTBOOK FEES ARE THE RESPONSIBILITY OF THE PARENT AND MUST BE PAID PRIOR TO TAKING THE COURSE. RCGC will hold a registration session at Clayton High School to register the students for this course.**

## Virtual Electives

Term	Grade	Credits	Course #	NCAA Approved
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Year	10-12	2.5/5	-	-
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SOPHOMORES MUST HAVE OBTAINED A MINIMUM OF 40 CREDITS TO BE ELIGIBLE TO TAKE A CAREER ELECTIVE COURSE. THE FOLLOWING ELECTIVES MAY BE APPLIED TO THE PREREQUISITES FOR THE CAREER DIPLOMA PROGRAMS.

\* denotes a half year (semester) course 2.5 credits

Automotive Engine Theory	Electricity I
Civics	Pharmacy Assisting II
Sociology I: The Study of Human Relationships*	Food Preparation Theory
Criminology: Inside the Criminal Mind *	Veterinary Assisting I
Sociology II: Your Social Life*	Forensic Science: Secrets of the Dead*
Dental Assisting Theory I	Veterinary Assisting II
Health Science I*	Forensic Science: More Secrets of the Dead*
Dental Assisting Theory II	Veterinary Assisting III
HVAC Theory	Plumbing Theory
Economics CP	Veterinary Science: The Care of Animals
Pharmacy Assisting I	

### Test Prep Courses

All Test Prep Courses are half year (semester) courses. 2.5 credits

Accuplacer Math	ACT Math
Accuplacer Reading	ACT Reading
Accuplacer Sentence Skills	ACT Science Reasoning
ACT English	SAT Math
SAT English	

## SENIOR INTERNSHIP COURSES

The following elective courses may be used to satisfy the Practical Arts and/or additional credit requirement for graduation. All courses are General and non-weighted.

Term	# Periods	Credits	Course #	NCAA Approved
Year	1	5	9400	-
Year	2	10	9406	-
Year	3	15	9406	-

### Description

\*\*\* NOTE: 3 period Internship can only be taken off campus \*\*\*

To become an intern, a student must submit an intern application form along with a Teacher Recommendation. The student must also have full credit status to meet graduation requirements senior year. Selection is based on degree of interest and compatibility with the business' requirement. The student must have proof of reliable transportation to and from the jobsite. Unfortunately, we cannot guarantee placement.

## SENIOR EARLY RELEASE PROGRAM

Seniors scheduled for required graduation courses may apply for early release after 5th period if they are on target to graduate and have parental permission. Applying for the Early Release Program **DOES NOT GUARANTEE** placement in the program. Final placement in the program will be determined by the availability of required graduation courses within the student' schedule.

## VOCATIONAL EDUCATION COURSES

The following elective courses may be used to satisfy the Practical Arts and/or additional credit requirement for graduation. See your Guidance Counselor for details. Share-time programs are only offered to seniors, and are taken at Gloucester County College Institute of Technology. Transportation is NOT provided.

### Emergency Response & Fire Rescue

Term	Grade	Credits	Course #	NCAA Approved
Year	12	15	9017	-

#### Description

This one-year occupational program, with an extended summer internship component as required for Fire Fighter 1, is for high school seniors only. The Emergency Response & Fire Science program prepares students for careers in the field of fire protection, technology and the wide range of services provided by the modern fire department. Also included are emergency services, hazardous materials control, fire prevention, wildland firefighting and public education. This program runs from September to June in the afternoon. Student must be 18 years of age to participate in internship.

### Law Enforcement

Term	Grade	Credits	Course #	NCAA Approved
Year	12	15	9004	-

#### Description

This program has been developed to better prepare students for work in the future through the linking of public law enforcement and private security services, a community-based organization and community college. With the increasing demand for trained professionals in public law enforcement and private security services, there is a need for an integrated educational program, which orients and prepares young people for these career fields. Upon completion, students are prepared for employment in private security, cadet status with a municipal police department or sheriff's office, or higher education.

## **APPROVED OPTION II PROGRAMS**

The programs listed below have been approved by the Clayton Board of Education. An Option II application must be completed for any experience requiring committee approval. (Individual Option II Experiences Program Application can be obtained in the Guidance Office)

### **School to Career**

Students who elect School to Career will have an opportunity to demonstrate both teamwork and problem solving skills through a structured learning experience. Examples include, but are not limited to: apprenticeships, school-based experiences, internships/career shadowing. Structured learning experiences must meet all state and federal child labor laws.

### **School/District-Wide Committee**

*(Pending Option II Committee Approval)*

Students in grades 9 – 12 who participate on School/District-wide committees with a membership that consists of a broad segment of the school community (teachers, administrators, parents, community members) will be eligible to receive high school credit. The credit will be viewed as elective credit within Social Studies.

### **Basic Military Training**

Students enlisting in the United States Armed Forces and completing Basic Training prior to graduation are eligible for Option II credit.

### **Music Training Vocal and Instrumental**

*(Pending Option II Committee Approval)*

Students in grades 9-12 who participate in Private Voice or Instrumental Instruction will be eligible to receive high school credit. The credit will be viewed as “elective credit” in Visual and Performing Arts.

### **Service Learning**

*(Pending Option II Committee Approval)*

The purpose of Service Learning is to acquaint high school students with the need to become participating agents of change by providing volunteer efforts to both their school and community. Students can provide service in the community on a voluntary basis to public and nonprofit agencies, civic, charitable and governmental organizations and opportunities within our school district.

### **Teachers in Training**

High School students with a desire to explore careers in Education are provided with opportunities to observe, assist, and perform a full spectrum of classroom activities associated with the work of a Professional Educator. While working under the supervision of our own Clayton teachers (Middle School or Elementary School), who are highly regarded for their expertise, every “future teacher” will have an experience consisting of time in a real classroom working with a real teacher, and developing relationships with real students.

### **Online Courses**

High School Credit will be awarded for courses taken via the Internet. These courses must be approved in the Clayton High School Course Catalog for the current year or receive prior approval from the Option II Committee.

## **Dual Enrollment Program**

*(Pending Option II Committee Approval)*

Students enrolled in high school may apply to be dual enrolled at a local institution of higher learning, such as a community college or university. These students may take classes at either institution for credit toward their high school diploma, as well as for college credit.

## **Other Experiences**

*(Pending Option II Committee Approval)*

The Board of Education recognizes that students are involved in learning experiences beyond those which have already been identified in Option II. Students are encouraged to explore additional experiences with the Option II Committee to further “personalize” their education at CHS.

# RECOMMENDED COURSE SEQUENCE

## Goal - 4 Year College - Advanced Student

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English I HN	English II HN	English III AP	English IV AP
PE/Health 1 or 1L	PE/Health 2 or 2L	PE/Health 3 or 3L	PE/Health 4 or 4L
Geometry HN	Algebra II HN	Pre-Calculus CP	Calculus AP OR Statistics AP
World Cultures HN	US History I AP	US History II AP	US Government & Politics AP OR Psychology AP or American Military Hist. CP
Biology HN	Chemistry HN	Biology AP, Chemistry AP OR Physics HN	Biology AP, Chemistry AP OR Physics HN
World Language I	World Language II	World Language III	World Language IV
2 Electives	2 Electives	Financial Literacy/Semester Elective	2 electives or Early Release, Senior Internship
		1 Elective	

## Goal - 2 / 4 Year College

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English I CP	English II CP	English III CP	English IV CP
PE/Health 1 or 1L	PE/Health 2 or 2L	PE/Health 3 or 3L	PE/Health 4 or 4L
Algebra I CP or Geometry CP	Geometry CP or Algebra II CP	Algebra II CP or Pre-Calculus CP	Pre-Calculus CP or Calculus HN
World Cultures CP	US History I CP	US History II CP	Civics CP, Economics CP or American Military Hist. CP
Environmental Science CP	Biology CP	Chemistry CP	Physics HN or Intro. to Horticultural Science CP
World Language I	World Language II	World Language III (if needed)	World Language IV (if needed)
2 Electives	2 Electives	Financial Literacy/Semester Elective	2 Electives or Early release, Senior Internship
		1 Elective	

## Goal - Career / 21st Century Work Skills

GRADE 9	GRADE 10	GRADE 11	GRADE 12
English I CP	English II CP	English III CP	English IV CP
PE/Health 1 or 1L	PE/Health 2 or 2L	PE/Health 3 or 3L	PE/Health 4 or 4L
Algebra I CP	Geometry CP	Algebra 2 CP	Penn Foster Career Diploma Program
World Cultures CP	US History I CP	US History II CP	5 Electives or 2 electives AND Early Release, Senior Internship
Environmental Science CP	Biology CP	Physical Science CP	Intro to Horticulture CP (optional)
World Language 1	Penn Foster Career Elective	Penn Foster Career Diploma Program	
2 Electives	2 Electives	Financial Literacy/semester elective	
		1 elective	
			<b>VOCATIONAL SCHOOL-SHARED TIME</b>
			English IV
			PE/Health4 or 4L
			3 Elective Courses
			Vocational School