Brick Schools
Program of Studies

Brick Township High School

Brick Township Memorial High School

The Brick Township Public School District, in partnership with our families and community, is committed to supporting student growth through cultivating each student's unique strengths and talents in an engaging, safe, and nurturing environment.

"Student Centered - Teacher Led- Community Connected"

BTPS Board of Education

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Mr. William Kleissler, Director of Human Resources

Mrs. Rachel Gough, Director of Special Services

Mr. Dennis Filippone, Interim Director of Planning, Research, & Evaluation

Table of Contents

High School Staff **4**
- Brick Township High School 4
  - Administration 4
  - Counselors 4
  - Child Study Team 4
- Brick Township Memorial High School 5
  - Administration 5
  - Counselors 5
  - Child Study Team 5

How to Use the Program of Studies **7**

Genesis Parent Portal **8**
- Online Scheduling Using Parent Portal 8

Scheduling Parameters **9**
- Graduation Requirements 9
- State Testing Requirements 9
  - College Planning 10
  - Career Readiness 10
  - Athletic & Co-Curricular Eligibility 11
  - Participation in College Athletics 11

Academic Information and Procedures **12**
- Course Levels 12
- Honors (H) 12
- Advanced Placement (AP) 12
  - Grading Scale 13
  - Grade Point Average (GPA) 14
- Course Level Changes 14
  - Course Changes – Drop a Course and Add a New Course 15
  - Course Withdrawals 15
  - Effect of Withdrawal on Permanent Record 15

STEM Academy **18**
  - STEM Academy Sequence of Study 19

The College Experience at Brick Township **23**
- Course Descriptions 25

Academic Departments **27**

English 28
Program Placement/Selection 29
English Core 30
English Electives 34
Mathematics 37
Program Placement/Selection 38
Math Core 39
Math Electives 40
Science 44
Program Placement/Selection 45
Science Core 46
Social Studies 52
Program Placement/Selection 53
Social Studies Core 54
Social Studies Electives 55
World Language 59
French 60
Italian 61
Spanish 62
American Sign Language 64
Health and Physical Education (HPE) 64
College and Career Readiness 67
Business 70
Computer Science 73
Visual and Performing Arts 75
Visual Arts 75
TV Production 78
Music 80
Theater 82
Dance 86
Additional Offerings 88
Air Force Junior ROTC 84
Ocean County Vocational Technical School (0100) (20 credits) Grades 11-12 85

High School Staff

Brick Township High School

Administration

Dr. David Kasyan - Principal

Ms. Erin Biancella Assistant Principal

Mr. James Marvin Assistant Principal

Mr. Ryan Hesnan Assistant Principal - Supervisor of World Language

Mr. Jason Longo Athletic Director - Supervisor of Health and Physical Education

Mrs. Angela Smith Supervisor of Guidance

Counselors

Counselor	Assignment (Last Name)	Extension
Ms. Lauren Ianniello	A-Da	2044
Ms. Jennie Piwowarczyk	De-I	2055
Ms.Kaitlyn Donahue	J-Mo	2050
Ms. Dawn Celona	Mu-Sa	2040
Ms. Marie Walling	Sc-Z	2054
Ms. Lori Roland	Student Assistance Counselor	2045

Child Study Team

Team Member	Title	Extension
Ms. Lorraine Cooper	LDTC	2039
Mr. Michael Zuccaro	School Social Worker	2051
Dr. Christine Velardi	School Psychologist	2047
Ms. Ann Sirico	School Psychologist	2034

Brick Township Memorial High School

Administration

Mr. Edward Sarluca - Principal

Ms. Ilene Glastein Assistant Principal - Supervisor Special Education

Mr. Jonathan Barresi Assistant Principal - Supervisor of World Language

Mr. Stevan Ferrulo Assistant Principal - Supervisor of RISE & Special Education

Mr. James Bright Athletic Director - Supervisor of Health & Physical Education

Mr. Kevin McKnight Supervisor of Guidance

Counselors

Counselor	Title/Alpha	Extension
Ms. Elizabeth Leone	A-C	3007
Ms. Cassandra Monroe	D-H	3004
Ms. Tracey Reinhard	I- Mnz	3003
Ms. Elizabeth Reilly	Moz- Shz	3006
Ms. Melissa Small	Si-Z	3009
Ms. Samantha West	Student Assistance Counselor	3019

Child Study Team

Team Member	Title	Extension
Ms. Crystal Badders	School Social Worker	3012
Ms. Jennifer DelSalto	School Psychologist	3011
Mrs. Nicole Capuano	LDTC	3057
Ms. Nicole DiFoglio	School Psychologist	3010
Mr. Curran Fallon	School Social Worker	3033
Mr. John Heulitt	BCBA/Board Certified Behavior Analyst	3081

Curriculum Supervisors

Mr. Chad Cutts
Supervisor of English and Social Studies

Ms. Jennifer Huey
Supervisor of Science, STEM Academy, and Visual & Performing Arts

Mr. Christopher Thompson
Supervisor of Mathematics, STEM Academy, Business, and College & Career Readiness

Mrs. AnnMarie Dayton
Supervisor of Special Education

How to Use the Program of Studies

The Program of Studies is a valuable reference manual for students and parents. It is a complete guide to the possible course offerings at both high schools. The Program of Studies includes a complete list of courses for each department, with detailed descriptions and prerequisites. Please note that it is particularly important to review the prerequisite requirements that are listed below the name of a course. Prerequisite requirements are prior courses which must be taken before a particular course may be scheduled.

A flowchart for core academic departments, showing possible course sequencing, can be found under each department heading. Please note that it is effective to use the flowcharts to determine several typical course sequences within a department. Courses in each flowchart have been arranged according to level of academic rigor (where applicable), because rigor of academic schedule is one criterion used by college admissions officers to evaluate students. However, it is important to note that sequencing does not necessarily have to proceed along the pathways indicated on the charts; students may move between "levels" as long as prerequisite courses are taken. It is suggested that when a student expresses an interest in a particular course, the flowchart be used to determine which course typically comes prior to and after the desired course.

The courses that a student pursues in high school should reflect his or her aspirations, achievements, and aptitudes. The decisions students will make regarding course selections are important ones that need to be made thoughtfully. Teachers and counselors are ready to help students with course selection, using career and college planning resources to help in the process. Questions about coursework can be directed to the counselors or to the department supervisors. Please understand that final decisions regarding the actual offering of any particular course will be dependent upon enrollment and budget constraints. Therefore, not all classes listed in this catalog are guaranteed to be at each high school.

Genesis Parent Portal

Brick Township utilizes a software program called Genesis Parent Portal. Genesis is a web-based portal that provides student information 24 hours a day, 7 days a week. Students and parents use the system for online class scheduling, to view a student's current schedule, to view progress reports and report cards, and to check the status of graduation requirements. Contact the main office at your child's school to get access to Parent Portal if you do not have it already. To access Genesis via Brick Township's website, go to www.brickschools.org click on Check My Child's Grades. This allows students and their parents/guardians to stay well informed about student progress.

Online Scheduling Using Parent Portal

1. Log into Parent Portal. Once at the main screen, select Scheduling.
2. Any courses that your child has been recommended for by their current teachers will already be listed under course requests. Click the Requests tab to choose the courses you wish to take.
3. The next screen will show all of the subjects in which courses are available. The system will also tell you how many credits in each department that your child has taken and how many are needed for graduation. To request a course in a specific department, click the Request a course link on the right side of the page next to the appropriate department.
4. On the next screen you will see all of the courses available to your child. If a course is highlighted in yellow it means your child has already taken the course or is taking it currently. To add a course to your list of requests, choose the priority of the course, add any notes (optional), and click Request This Course.
5. Repeat this process for each course you would like to request. After the request window has closed, your child's guidance counselor will schedule a meeting with your child to build their next year's schedule based on their request, teacher recommendations, and NJ State graduation requirements. Please note that a waiver will be required if your child wishes to take an honors or AP course that they were not recommended for.
6. Please note, students can schedule a total of 40 credits each year (20 credits in the fall semester and 20 credits in the spring semester).

Scheduling Parameters

Graduation Requirements

A diploma from Brick Township School District is granted to those students who have completed the requirements for graduation established by the State of New Jersey and the Brick Township Board of Education. Each student must pass 120 credits, to include the following:

English	*Students are required to enroll in a core English course each academic year.*	20 Credits
Mathematics	*Algebra 1, Geometry, and a third year of math that builds upon these two courses*	15 Credits
Science	*Including Biology, a choice of Chemistry, Physics, or Environmental, and a third lab science*	15 Credits
Social Studies	*Including World History, US I and US II*	15 Credits
World Language	*Spanish, Italian, or French*	5 Credits
Health and Physical Education	*One semester required for every year in high school*	20 Credits
Visual and Performing Arts		5 Credits
College and Career Readiness		5 Credits
Financial Literacy		5 Credits
Elective Credit		15 Credits
Total Credits		**120 Credits**

State Testing Requirements

Successful completion of an ELA and Math assessment is required for graduation. See link below for detailed information regarding these requirements.

https://www.nj.gov/education/assessment/requirements/2023_2025.shtml

Junior Early Graduation

Brick Township Public Schools provides students the opportunity to graduate at the end of their junior year with administrative approval and successful completion of all state and district graduation requirements. Students interested in early graduation must begin the planning process during their sophomore year.

Application and Approval Process

Students must meet with their school counselor to review their academic progress, graduation requirements, and postsecondary goals. A family conference will be held to discuss the student's readiness and the proposed junior-year schedule.

A parent/guardian must submit a signed letter to the Supervisor of Guidance and Principal explaining the reason for requesting early graduation and affirming family support. The Supervisor of Guidance and Principal will review the request, academic standing, and proposed schedule. If approved, an Early Graduation Contract must be signed by the student, parent/guardian, school counselor, Supervisor of Guidance, and Principal.

Graduation Requirements

Approved students must:

- Earn a minimum of 120 credits and complete all required coursework under state and district graduation requirements.
- Meet all applicable state graduation assessment requirements. Early graduates will work with their counselor and testing coordinator to arrange NJGPA testing in the fall of junior year and any necessary follow-up assessments.
- Complete the required financial aid application or waiver process.
- Follow the approved academic plan, maintain strong academic performance, and attend regular progress meetings with their school counselor.
- Develop postsecondary plans and complete required senior exit and final transcript procedures.

Senior Activities and Graduation

Approved early graduates will receive senior and graduation communications. Students and families are responsible for meeting deadlines for senior portraits, yearbook submissions, cap

and gown orders, scholarships, and graduation activities. Participation in senior events is subject to district eligibility requirements.

Final graduation clearance is contingent upon completion of the Early Graduation Contract, all graduation requirements, and school checkout obligations. The school reserves the right to deny early graduation if the student does not fulfill the conditions of the approved contract.

Post-Secondary Planning

College Planning

Minimum graduation requirements should not be confused with college admission requirements. The general rule of thumb for most four-year colleges is that applicants should have completed a minimum of 16 "Academic Units" upon graduation. Typically, "Academic Units" are considered to be 5 credit courses in college preparatory Math, Science, English, Social Studies and World Language. Courses at each high school, which count as academic units, depend upon the discretion of each individual college admissions department. Good grades in quality courses will enhance admission chances.

Admission to colleges and universities varies from easy to extremely competitive. Families should familiarize themselves with the various types of colleges and the degree of difficulty for admission. At Brick, we utilize SCOIR, a web-based college and career planning tool. This program provides students with admission criteria for individual colleges, and also provides students with college and career readiness tools to help them plan their high school coursework.

Career Readiness

Students planning to enter the world of work immediately after graduation from high school may wish to concentrate on course sequences that provide some vocational preparation. In addition to the courses required for high school graduation, students are encouraged to consider elective coursework in areas of interest. Students seeking specific skill preparation while in high school may choose to enroll in Ocean County Vocational Technical School. This is by application only. Consult with counselors for more information.

Athletic & Co-Curricular Eligibility

The Board of Education recognizes that the primary responsibility of the school system is to educate all students to the maximum levels possible. Although the academic program has first priority, student activities are an important part of the total learning experience. The Board of Education, therefore, has an obligation to provide an opportunity for students to participate in a full range of activities, while ensuring that the student's academic progress is sufficient to support this participation.

Any student who wishes to compete in interscholastic sports must meet the minimum credit requirements established by the New Jersey Interscholastic Athletic Association (NJSIAA) and the Brick Board of Education. Eligibility for activities will be determined on a semester-by-semester basis. All incoming freshmen are automatically eligible to participate in athletics. Currently enrolled students at one of the two high schools must have accumulated 30 credits at the end of the previous school year to be eligible for a fall or winter sport, and 15 credits at the end of the first semester to be eligible for a spring sport. All freshmen are required to take 40 credits. Student athletes are encouraged to schedule 40 credits every year of high school. Students should check with counselors if they have any questions about eligibility.

Participation in College Athletics

Students who intend to participate in NCAA Division I or II athletics as a college freshman must be certified by the NCAA Eligibility Center. Certain academic criteria in high school must be met in order to participate in college athletics at this level. The NCAA Eligibility Center recommends that students who intend to participate in Division I or II college athletics should register at www.eligibilitycenter.org. Meeting minimum NCAA eligibility requirements will not guarantee admission into the college of choice.

Academic Information and Procedures

Course Levels

Teachers will make recommendations based on student performance in prerequisite courses. Parents and students should carefully consider the recommendation of teachers, as this advice is based on the teachers' first-hand knowledge of the students' work in class and recognition of the standards that are expected for each level. Students are also encouraged to evaluate the demands of their entire schedule when considering courses. In addition, please understand that once a student has selected a course, his/her ability to make a subsequent level change is dependent upon seat availability.

Honors (H)

These courses are designed to make rigorous demands on all students who are preparing for college. They are appropriate for students who are above grade level expectations. Some students may require considerable extra time to meet the high standards set by the teachers. Only those courses which are designated "H" will receive an extra weight in computing grade point average. Students receive an additional 5 points for an Honors course added to their final grade for that course and then used for cumulative GPA purposes.

Advanced Placement (AP)

The Advanced Placement (AP) Program is a cooperative educational program sponsored by the College Board. These courses are designed to meet the needs of students who have demonstrated outstanding mastery of skills as measured against other students for their age and/or grade. Students enrolled in these courses are expected to maintain academic pace without extensive individualized support by their teachers. Only those courses, which are clearly designated “AP,” will receive an extra weight in computing grade point average. Students receive an additional 10 points for an AP course added to their final grade for that course, which will be used for calculation of cumulative GPA.

Advanced Placement serves three groups: students who wish to pursue college level studies while still in secondary school; schools that desire to offer these opportunities; and colleges that wish to encourage and recognize such achievement. AP courses provide college-level instruction to interested students. Participating colleges may grant credit and/or appropriate placement to students who have done well on the AP examination; the award is at the discretion of the college or university.

Some AP Courses will provide students the opportunity to pay/enroll in OCC Courses to receive college credit.

Students in Brick are offered 23 courses with AP status:

- ❏ World History
- ❏ European History
- ❏ US Government and Politics
- ❏ US History
- ❏ Spanish
- ❏ French
- ❏ Biology
- ❏ Chemistry
- ❏ Physics
- ❏ Environmental Science
- ❏ Calculus AB
- ❏ Calculus BC
- ❏ Statistics
- ❏ Computer Science
- ❏ Human Geography
- ❏ Microeconomics
- ❏ Macroeconomics
- ❏ English Language and Composition
- ❏ English Literature and Composition
- ❏ Music Theory
- ❏ Studio Art: 2-D Design
- ❏ Studio Art: Drawing Portfolio

Scheduling of these courses is subject to enrollment. It is expected that a student's full commitment to an Advanced Placement Program includes taking the Advanced Placement examination in May.

Grading Scale

90 - 100	**A**
80 - 89	**B**
70 - 79	**C**
60 - 69	**D**
50-59	**Failing**

Grade Point Average (GPA)

A student's grade point average is calculated using numerical grades based on a 100 point scale. There are two levels of courses utilized for the purpose of calculating grade point average:

1. Weighted courses are any courses with an AP (Advanced Placement) or H (Honors) designation. AP Courses get an additional 10 points added to the final grade of the course when calculating weighted GPA. Honors Courses get an additional 5 points added to the final grade in the course when calculating weighted GPA.
2. Unweighted courses are any courses not designated AP or H.

Both weighted and unweighted GPAs are calculated. Only the final grade achieved in each course is used to compute GPA. A cumulative GPA is calculated at the end of each school year and posted on the student transcript. Class Rank is calculated, based on weighted GPA, at the end of each school year.

Course Level Changes

All course level changes should be made in consultation with the counselor, teacher, department supervisor, and parents/guardians. If changes are needed a Schedule Change form must be completed. The Schedule Change form must be completed by both the student and parent/guardian and then approved by the department supervisor and building principal. Changes to a higher level must be made within 15 days from the beginning of the course. The deadline for level changes down can be made up until the midpoint of the course. There must be an open seat in the requested course in order for the change to be initiated. Maintaining acceptable class size will be a priority. In addition, the student is responsible for missed work. Grades follow the student when he/she makes a level change, with due consideration given to the weight of that grade.

Course Changes – Drop a Course and Add a New Course

Please note that only requests to correct scheduling problems caused by errors in course assignments or the above mentioned level changes will be honored. We are unable to accommodate requests for schedule changes related to teacher, block, or convenience changes. If changes are needed a Schedule Change form must be completed. The Schedule Change form must be completed by both the student and parent/guardian and then approved by the department supervisor and building principal. There must be an open seat in the requested course in order for the drop/add to be initiated. Students must request a drop/add within the following time frame:

- 10 - Credit Courses: 10 school days from the beginning of the school year.
- 5 - Credit Courses: 5 school days from the beginning of each course.

Course Withdrawals

Students may not withdraw from a course after the timeline listed below.

- 10 - Credit Courses: within 10 school days from the beginning of the course.
- 5 - Credit Courses: within 5 school days from the beginning of course.

Following the 10/5 day period, students must remain in the course until its conclusion. Requests for an exception to this policy will be viewed and determined on an individual basis. Proof of extenuating circumstances must be provided for requests to be considered. Seniors requesting to drop core academic subjects will be required to contact the colleges to which they have applied to verify that dropping the course will not have an impact on admissions. All withdrawals must be approved by the building principal.

Effect of Withdrawal on Permanent Record

A student who elects to drop a course within the 10/5 “Course Change” timeline outlined in the Drop/Add course section above is to be removed from the class roster. No record of this withdrawal shall appear on the student’s permanent transcript.

A student who elects to withdraw from a course at any time after the 10/5-day “Course Change” period, may be removed from the class roster (with approval of the building Principal); however a record of W will be recorded and maintained on the student's permanent transcript.

Review for Credit / Summer School / Repeat Courses:

Any student attending Brick Township Public Schools who receives a final grade below 60 during the regular school year receives zero credits towards graduation for that course. Students who need the course, or want to earn the credits lost due to failing a course during the regular school year, may opt to:

- Repeat the course during a future regular school year
- Enroll in a summer school program approved by Brick Township Public Schools

A student must be enrolled for a minimum of 60 hours for a five-credit review course (a course originally failed). The appropriate credits will be awarded to those who successfully complete the course work. The original failing grade will be maintained on the student's permanent record and will be calculated into the GPA. Students may receive high school credit only for those courses taken at accredited summer programs that meet NJ State Dept. of Ed. guidelines and are approved by Brick Township Public Schools. The same course, if passed, may be taken for credit only once. Students who repeat the Brick Township Public Schools course during a future regular school year will receive the grade earned for the repeated course. The appropriate credits will be awarded to those who successfully complete the course work. The repeated course will not be counted in the GPA. The original failing grade will be maintained on the student's permanent record and will be calculated into the GPA. All credit restoration, summer school courses, and repeating of courses must be approved by the building principal.

Student Records and FERPA

The Family Educational Rights and Privacy Act (FERPA) affords parents and students over 18 years of age ("eligible students") certain rights with respect to the student's education records. These rights are:

(1) The right to inspect and review the student's education records within 45 days of the day the school receives a request for access. Parents or eligible students should submit to the Principal or counseling services secretary a written request that identifies the record(s) they wish to inspect. A school official will make arrangements for access and notify the parent or eligible student of the time and place where the records may be inspected.

(2) The right to request the amendment of the student's education records that the parent or eligible student believes are inaccurate.

Parents or eligible students may ask the school to amend a record that they believe is inaccurate. They should write the Principal, clearly identify the part of the record they want changed, and specify why it is inaccurate.

If the school district decides not to amend the record as requested by the parent or eligible student, the school will notify the parent or eligible student of the decision and advise them of their right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the parent or eligible student when notified of the right to a hearing.

(3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the School as an administrator, supervisor, instructor, or support staff member (including health or medical staff and law enforcement unit personnel); a person serving on the School Board; a person or company with whom the School has contracted to perform a special task (such as an attorney, auditor, medical consultant, or therapist); or a parent or student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, Brick Township Schools will disclose education records without consent to officials of another school district in which a student seeks or intends to enroll.

(4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by the school to comply with the requirements of FERPA. The Office that administers FERPA requirements is the Family Policy Compliance Office, U.S. Department of Education 400 Maryland Avenue, SW Washington, DC, 20202-5901.

Upon graduation or permanent departure of pupil from the district, the parent or adult pupil is hereby notified that a copy of the entire record is available upon request. Once information is no longer necessary to provide educational services to the pupil that information will be destroyed unless a request is received by July 15th of the year of departure. A permanent transcript and attendance record will be kept in perpetuity.

STEM Academy

The Brick Township School District STEM Academy is designed to provide an educational experience that emphasizes the study of Science, Technology, Engineering and Mathematics. Interested students will be provided with the opportunity to develop STEM skills needed to compete in a demanding global economy. STEM professions are currently the fastest growing fields in the workplace, yet the United States lags significantly in regard to producing skilled STEM workers. The Brick Township STEM Academy will provide the opportunity for students to engage in a focused curriculum and develop strong skills in STEM fields. The Brick Township Academy of Science, Technology, Engineering and Mathematics will endeavor to utilize an innovative educational model to provide students with a rich and rigorous educational experience. This innovative approach allows us to provide an enriched program with the benefits of being in a comprehensive high school setting.

STEM Academy Website

STEM Academy Sequence of Study

Grade 9 - STEM *Freshman Year*

Semester 1	*Semester 2*
English 1 Honors	**Intro to Engineering (STEM)**
Biology Honors (STEM)	**Geometry Honors (STEM)**
World language or VPA Elective	World language or VPA Elective
Physical Education	World History Honors
STEM Lab Honors (Lunch)	

Grade 10 - *Sophomore Year*

Semester 1	*Semester 2*
Chemistry Honors (STEM)	**STEM Robotics**
Algebra 2 Honors (STEM)	**Pre-Calculus Honors (STEM)**
English II Honors or CP	Physical Education & Health
AP US History FY or US History I Honors and World Language/Elective	
STEM Lab Honors *(Lunch)*	

- STEM students must take a Visual & Performing Arts course and a 2.5 credit Financial Literacy course (online) in order to meet the state graduation requirement.
- Students in the STEM program are expected to meet the prerequisites for required STEM courses.

STEM Concentrated Electives

STEM Science Electives	**STEM Math/Comp Sci Electives**	**STEM Tech/Engineering Electives**
• AP Environmental Science • AP Biology • AP Chemistry • AP Physics "C" Mechanics • Honors Marine Biology • Anatomy & Physiology • Forensic Science • Genetics	• AP Statistics • AP Computer Science	• Drafting & Architectural Design • Advanced CAD • Robotics II • Electronics • Music Technology (V&PA)

† **Every effort should be made for a STEM student to complete a rigorous STEM elective schedule.** However, other higher-level electives (such as world languages, business or visual and performing arts etc…) are appropriate and should complement the student's post-secondary goals.

STEM Pathways
After completing 2 successful years of the STEM Academy, students will be asked to declare a STEM Pathway to begin their work towards post-secondary goals.

These pathways allow students to work independently from the overall cohort as they focus on more rigorous courses to help them develop their passion capstone project in senior year. Upperclass students should choose courses that follow the pathway guidance including Advanced Placement and STEM concentrated electives.

Pathways include at least one or more cohorted classes that must be completed in order to remain in the STEM Academy. Courses in **bold** denote classes that will be taken as a STEM cohort of students.

STEM Pathways

- Science Pathway - physical, life and biological sciences
- Engineering/Math Pathway - engineering and high level mathematics
- Computer Science Pathway - high level computer programming
- Traditional Pathway - continues the exploratory model

Science Pathway

Grade 11 - STEM Science

Semester 1	*Semester 2*
AP Calculus BC or **Honors Calculus** & Elective	
US History II	World Language
Computer Programming for Engineers	**Physics Honors (STEM)**
English III Honors/CP or Eng Elective	Health & Physical Education
STEM Lab Honors	

Grade 12 - STEM Science

Semester 1	*Semester 2*
AP Science Choice: Biology, Chemistry, Environmental Science, or Physics "C"	
AP Science Choice: Biology, Chemistry, Environmental Science, or Physics "C"	
Elective †	Elective †
Eng IV CP/Honors, Eng 151 DE or Eng Elective	Physical Education
STEM Lab Honors	

Engineering/Mathematics Pathway

Grade 11 - *Junior Year*

Semester 1	*Semester 2*
AP Calculus BC *& Financial Literacy (online)*	
Elective †	Elective †
Computer Programming for Engineers	**STEM Physics**
AP English Language & Composition or English III Honors/CP and PE&H	
STEM Lab Honors	

Grade 12 - *Senior Year*

Semester 1	*Semester 2*
AP STEM Physics C "Mechanics"	
Elective †	Elective †
AP English Literature & Composition or English IV Honors/CP and elective	
AP Statistics with choice A/B or AP Computer Science	
STEM Lab Honors	

Computer Science Pathway

Grade 11 - *Junior Year*

Semester 1	*Semester 2*
AP Calculus BC *& Financial Literacy (online)*	
Elective †	Elective †
Computer Programming for Engineers	**STEM Physics**
AP English Language & Composition or English III Honors/CP and elective	
STEM Lab Honors	

Grade 12 - *Senior Year*

Semester 1	*Semester 2*
AP Science Choice: Biology, Chemistry, Environmental Science, or Physics "C"	
AP Computer Science	
Elective †	Elective †
AP English Literature & Composition or English IV Honors/CP and elective	
STEM Lab Honors	

Traditional Pathway

Grade 11 - *Junior Year*

Semester 1	*Semester 2*
AP Calculus BC *& Financial Literacy (online)*	
Computer Programming for Engineers	**STEM Physics**
US History II Honors / Elective †	Elective
AP English Language & Composition or English III Honors/CP and elective	
STEM Lab Honors	

Grade 12 - *Senior Year*

Semester 1	*Semester 2*
AP Chemistry or AP Environmental Science or AP Biology or AP Physics C	
AP Statistics with choice A/B or AP Computer Science	
Elective †	Elective †
AP English Literature & Composition or English IV Honors/CP and elective	
STEM Lab Honors	

The College Experience at Brick Township

Dual Enrollment through Ocean County College

Students in grades 9 through 12 have the opportunity to schedule courses that will earn Ocean County College credit, as well as high school credit. The courses are: General Psychology, Western Civilization, Survey of Math, Public Speaking, English 151, Introduction to Sociology, Introduction to Business, and Art History.

Students who pass any College Experience course will receive either 2.5 or 5 credits on their BTPS transcript, depending upon the course, as well as 3 credits on their college transcript. ***These courses are weighted 5 points when calculating GPA.*** Students who earn a grade of C or better in a course will have the added benefit that credits will be accepted at all NJ Colleges and Universities. Please check NJtransfer.org for specific information on how credits may be applied at the colleges and/or universities you may be interested in attending.

Financial Commitment:
Students and parents will be responsible for making tuition payments from the Finance tab on OceanConnect. Students are not eligible for financial aid due to the reduced tuition. However, grants are available and students can apply prior to the start of the semester. Failure to make tuition payments will result in the removal from the College Experience Program.

Cost Per Credit:

1 credit course will cost approximately $153 per credit, so a 3 credit course will cost $459 (textbook included)

1 credit course will cost $153 per credit, so a 4 credit course will cost $612 (textbook included)

Registration Process for the Early College Program

OCC Early College Information Steps - Brick

Dual Enrollment Course Descriptions

BTPS Course Title	OCC Course Title/Code	Course Description
English 151 DE - 2800DE	English I - ENGL 151	Students will compose and revise expository essays totaling 3500 words, minimum. Through a series of primarily text-based writing assignments, the course reinforces and stresses the further development of critical reading and thinking, ethical reasoning, the writing process, and information literacy. Students who took AP Language and Composition are not eligible to take this course.
Public Speaking - 2513DE	Fundamentals of Public Speaking - COMM 154	This course introduces students to basic communication theory and public speech performance skills. Emphasis is on researching, organizing, outlining, evaluating, and delivering informative, demonstrative, and persuasive speeches.
Art History - 3700DE	Art History - ARTS 181	This course is a survey of the visual arts, focusing on sculpture, painting and architecture from the Prehistoric through the Gothic periods. Students will explore the motivations, motifs, and vocabulary of art within its physical and socio-historical context. Emphasis will be placed on identification of works and their association with their time period, culture and subsequent characteristics.

Survey of Mathematics - 6700DE	Survey of Mathematics - MATH 151	This is a mathematical course for liberal arts students. This course is a study of some of the fundamental concepts in mathematics. Topics include: sets, probability, logic systems of numeration, groups, and mathematical systems. Applications of these topics in various fields of study are included in the course.
Introduction to Sociology - 9408DE	Introduction to Sociology - SOCI 181	This course presents the fundamental concepts, sociological perspectives, and methods of social research. Course topics include culture, socialization, deviance, social class, race and ethnicity, and gender and sexuality.
Introduction to Business - 1407DE	Introduction to Business - BUSN 131	A thorough survey of the activities that make up the field of business. Emphasis is placed on such topics as ownership, management, organization, purchasing, marketing, production, personnel, finance and government regulations. Industry's societal responsibilities relating to pollution, minorities and ethical practices are explored.
General Psychology - 9256DE	General Psychology - PSYC 172	This introductory course focuses on the study of behavior and cognitive processes. Emphasis is on neuroscience, states of consciousness, human development, sensation and perception, learning, memory, intelligence, emotion and motivation, personality, psychological disorders, psychotherapy, and social behavior.
Western Civilization - 9257DE	Western Civilization - HIST 171	A survey of Western history from the earliest civilizations to the beginning of the modern era. Emphasis is placed on the changes through time in political, social and religious institutions as well as on intellectual and cultural achievements. The course is designed to help the student better understand self and society by becoming acquainted with the past history of the Western world.

HyFlex through Ocean County College

- A fully HyFlex (Hybrid Flexible) course is a student-centered model of class delivery that integrates in-class face-to-face instruction, online synchronous learning (which means occurring at the same time as the live instruction), and canvas activities. This model provides the most flexibility for students to learn.
- 9th-12th grade students can attend each class in person on campus or synchronously via the internet from an off-campus location as they wish.
- The Instructor teaches from the classroom at the scheduled time. Students may attend either in person on campus or log into the class from any location.
- Course section codes are designated by an HF (e.g. ENGL-151-HF01).
- Students registered in HyFlex sections are expected to attend class either in person or remotely. This is a synchronous class and active participation is expected throughout the course.

HyFlex Registration Process

To register for courses, please follow the steps below:

1. Go to connect.ocean.edu
2. Click on *Student Planning > Plan & Schedule*
3. Search for the course in the top right bar with the magnifying glass
4. This page will filter courses. Click on view available sections on the desired course and press *add section to schedule > add section*
5. After all courses are added to your schedule click on *Academics> Student Planning> Plan and Schedule*
6. Click the arrow until you see the desired term (i.e. 2024 Spring)
7. Double check that all of the courses on your plan are courses you wish to register for and then press *Register Now.*

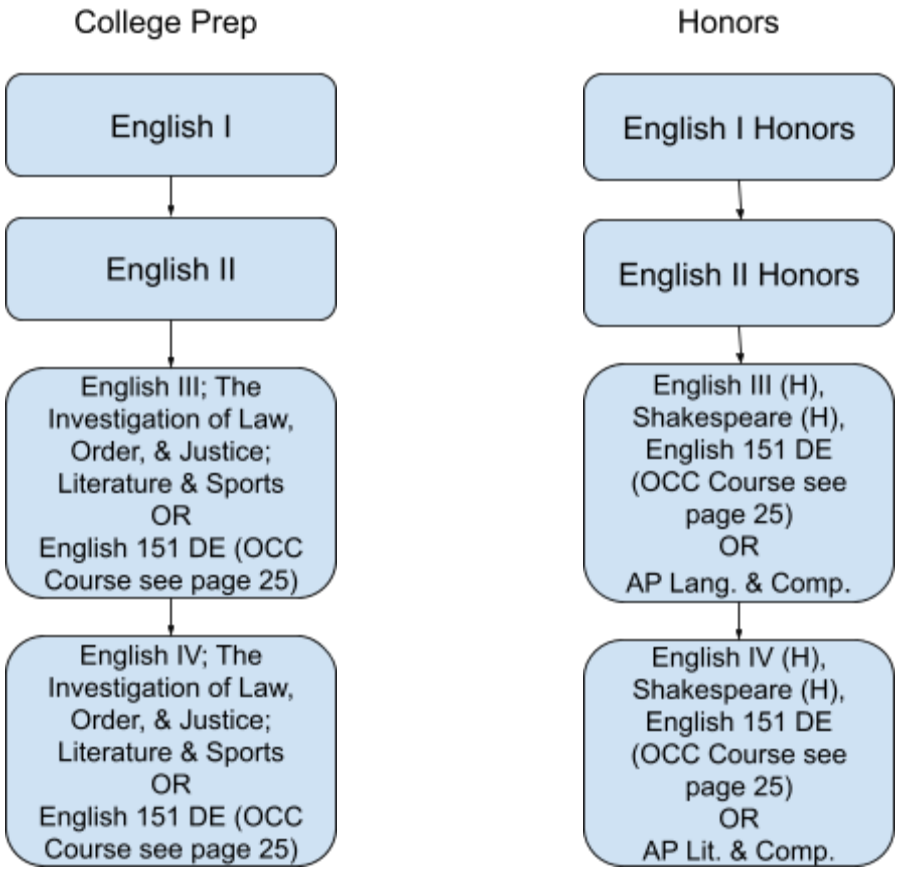
Once registered, the class(s) will turn green

OCC Presentation at BTHS - HyFlex Information - October 2023.pdf
BTHS - OCC HyFlex Program Information Session.pdf

Academic Departments

English

This chart illustrates possible course sequencing in the English Department. The rigor of a student's academic schedule and the grades received are key aspects considered by college admissions officers. Core Program courses satisfy graduation requirements, but may not satisfy certain admissions requirements for some colleges. Please note: sequencing need not be constant; students may move between "levels" as long as prerequisite courses are taken. Prerequisite requirements and recommendations for all courses are listed in the course descriptions. Please read these carefully, to ensure that all prerequisite courses have been taken before selecting a course.



Program Placement/Selection

Students who wish to take Honors or AP level coursework must meet 3 out of 4 of the below criteria for the desired course.

Level	Classroom Performance	Teacher Rec.	ELA NJSLA Cut Score	Score on Grade Level End of Course Writing Task
Honors English I	92	Yes	>750 NJSLA ELA most recent score	85 or better
Honors English II, III, IV, Shakespeare	92	Yes	>750 NJSLA ELA most recent score	85 or better
To continue in Honors program	88	Yes	>750 NJSLA ELA most recent score	85 or better
AP Lang. & Comp. (from II Honors)	92	Yes	> 750 NJSLA ELA 10	90 or better
AP Lit. & Comp. (from III Honors)	92	Yes	> 750 NJSLA ELA 11	90 or better
AP Lit. & Comp. (from AP Lang.)	85	Yes	> 750 NJSLA ELA 11	85 or better on AP task

English Core

Grade 9

English I enhances students' reading comprehension and critical thinking skills through an understanding of literary genres (novel, drama, short story, poetry, and non-fiction) and themes that explore the lives and experiences of others. There is considerable concentration on vocabulary, grammar, and composition to develop students' oral and written communication skills. This course includes a research paper designed to develop higher level learning through research and writing skills. Additionally, study skills including organization and effective listening and viewing are emphasized. Summer reading is required for all levels.

- ★ **English I (2102) (10 Credits)**
  This class enhances students' reading comprehension and critical thinking skills through an understanding of literary genres (novel, drama, short story, poetry, and non-fiction) and themes that explore the lives and experiences of others.
- ★ **English I Honors (2101) (5 Credits)**
  Prerequisites: See chart above.

Grade 10

Prerequisite: Successful completion of English I

English II is a continuation of the study of literary genres and themes through more intensive and extensive critical analyses. With curricular emphasis on world literature, students explore fundamental human issues that transcend time, culture, and ethnic background. There is continued development in vocabulary, grammar, and composition skills accompanied by research papers designed to develop higher level learning through research and study skills. Summer reading is required for all levels.

- ★ **English II (2202) (5 Credits)**
  This class enhances students' reading comprehension and critical thinking skills through an understanding of literary genres (novel, drama, short story, poetry, and non-fiction) and themes that explore the lives and experiences of others.
- ★ **English II Honors (2201) (5 Credits)**
  Prerequisites: See chart above.

Grade 11

Prerequisite: Successful completion of English II

English III is a literary and thematic study of the changing attitudes, ideas, and styles that occurred in the United States during the past several centuries. The focus is an examination of the emerging American consciousness reflected in representative literature that has inspired and entertained generations of avid readers. The study of American literature is integrated with critical thinking, written and oral interpretations, plus vocabulary and research skills. This course includes a research paper designed to develop higher level learning through research and writing skills. Summer reading is required for all levels.

★ **English III (2302) (5 Credits)**
This class enhances students' reading comprehension and critical thinking skills through an understanding of literary genres (novels, drama. Short story, poetry, and non-fiction) and themes that explore the lives and experience of others.

★ **English III Honors (2301) (5 Credits)**
Prerequisites: See chart above.

★ **The Investigation of Law, Order, and Justice (2529) (5 Credits) Grades 11- 12**
Do you sometimes wish you were a detective? If words or phrases like mystery, crime, open cases, and problem solving pique your interest, then this elective is for you! We will read non-fiction and literature, view portions of critically acclaimed television series or documentaries, and listen to podcasts, all of which will allow you to embrace your critical and problem solving skills. This course will allow you an opportunity to wrestle with questions about law, order, and justice. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English core course.

★ **Literature & Sports (2531) (5 Credits) Grades 11-12**
Whether you are a casual fan, a sports fanatic, or someone in between, this literary experience is for you. The course will examine how sports are portrayed in literature and discuss the history and influence of sports on our culture. It will cover both mainstream and lesser known sports. The course will include reading high-interest fiction, autobiographies, speeches from renowned coaches and athletes, memoirs, essays, articles and poems. Students will write a research paper on a current, relevant sports-related topic. Additional experiences will include creative, journalistic and argumentative writing. This course can be taken as an elective course or count towards graduation requirements as either an 11th or 12th grade English core course.

★ **Shakespeare Honors (2528) (5 Credits) Grades 11- 12**
Prerequisites: See chart above. William Shakespeare is arguably the all-time greatest writer of the English language. His works have impacted writers and stories for centuries. Shakespeare wrote tragedies, comedies, histories, "problem" plays and over 100 sonnets. Come explore works like *A Midsummer Night's Dream*, *The Tempest*, *The Merchant of Venice*, *Henry IV* & *V*, *Twelfth Night*, *The Taming of the Shrew* and others. Learn about life in Elizabethan England and the first playhouses. Find out what this Shakespeare guy is really all about. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English course. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English core course.

★ **Advanced Placement Language and Composition (2505) (10 credits)**
Prerequisites: See chart above. In this course. Students must be willing to assume much of the responsibility for their learning through independent research, outside reading, and seminar

participation. Students will analyze speeches, letters and other prose and poetry selections written by American masters. They will also study a range of non-fiction prose selections deepening their awareness of rhetoric and how language works. Summer reading and writing are required. The midterm exam is mandatory for this course. Students are expected to take the AP Language and Composition Exam in May.

★ **English 151 DE 2800DE (High School 5 Credits) Dual Enrollment for OCC English I - ENGL 151 (OCC 3 Credits)**
Students will compose and revise expository essays totaling 3500 words, minimum. Through a series of primarily text-based writing assignments, the course reinforces and stresses the further development of critical reading and thinking, ethical reasoning, the writing process, and information literacy. In order to take this course and receive college credit, students must meet minimum "college readiness" test scores as determined by Ocean County College. Students who took AP Language and Composition are not eligible to take this course. There is a cost associated with this class.

Grade 12

English IV examines various ancient and modern classics for students to gain appreciation and understanding of the form, content, and style of British and world literature. It is also the study of their impact and relevance upon more contemporary literature by crossing periods, cultures, and genres that help students develop a sense of themselves. This course includes a research paper designed to develop higher level learning through research and writing skills. Summer reading is required for all levels.

★ **English IV (2402) (5 Credits)**
Students review advanced principles of grammar, essay development, vocabulary usage, research, and oral communication skills as they prepare for life beyond high school. English IV also examines various ancient and modern classics for students to gain appreciation and understanding of the form, content, and style of British and World Literature. It is also the study of their impact and relevance upon more contemporary literature by crossing periods, cultures, and genres that helps students develop a sense of themselves

★ **English IV Honors (2401) (5 Credits)**
Prerequisite: See chart above.

★ **The Investigation of Law, Order, and Justice (2529) (5 Credits) Grades 11-12**
Do you sometimes wish you were a detective? If words or phrases like mystery, crime, open cases, and problem solving pique your interest, then this elective is for you! We will read non-fiction and literature, view portions of critically acclaimed television series or documentaries, and listen to podcasts, all of which will allow you to embrace your critical and problem solving skills. This course will allow you an opportunity to wrestle with questions about law, order, and justice. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English core course.

★ **Literature & Sports (2531) (5 Credits) Grades 11-12**

Whether you are a casual fan, a sports fanatic, or someone in between, this literary experience is for you. The course will examine how sports are portrayed in literature and discuss the history and influence of sports on our culture. It will cover both mainstream and lesser known sports. The course will include reading high-interest fiction, autobiographies, speeches from renowned coaches and athletes, memoirs, essays, articles and poems. Students will write a research paper on a current, relevant sports-related topic. Additional experiences will include creative, journalistic and argumentative writing. This course can be taken as an elective course or count towards graduation requirements as either an 11th or 12th grade English core course.

★ **Shakespeare Honors (2528) (5 Credits) Grades 11-12**

Prerequisites: See chart above. William Shakespeare is arguably the all-time greatest writer of the English language. His works have impacted writers and stories for centuries. Shakespeare wrote tragedies, comedies, histories, "problem" plays and over 100 sonnets. Come explore works like *A Midsummer Night's Dream*, *The Tempest*, *The Merchant of Venice*, *Henry IV* & *V*, *Twelfth Night*, *The Taming of the Shrew* and others. Learn about life in Elizabethan England and the first playhouses. Find out what this Shakespeare guy is really all about. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English course. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English core course.

★ **Advanced Placement Literature and Composition (2504) (10 Credits)**

Prerequisites: See chart above. In this full-year course, students will analyze classical and modern masterpieces of British and world literature with special references to content and style. Through close textual analysis of literary works, both assigned and for independent study; through diversified writing assignments; and through exercises to familiarize students with the format of the Advanced Placement examination, students will prepare for and are expected to take the Advanced Placement test offered in May for college credit. Summer reading and writing assignments are required. Midterm exam is mandatory for this course.

★ **English 151 DE 2800DE (High School 5 Credits) Dual Enrollment for OCC English I - ENGL 151 (OCC 3 Credits)**

Students will compose and revise expository essays totaling 3500 words, minimum.
Through a series of primarily text-based writing assignments, the course reinforces and stresses the further development of critical reading and thinking, ethical reasoning, the writing process, and information literacy. In order to take this course and receive college credit, students must meet minimum "college readiness" test scores as determined by Ocean County College.
Students who took AP Language and Composition are not eligible to take this course. There is a cost associated with this class.

English Electives

Mindful Immersion: Developing Skills to Promote Academic and Personal Success (2523) (5 credits) Grades 10-12

The concept of mindfulness is pivotal in today's fast-paced, technologically advanced and competitive society. Scholarly research supports that a mindful framework benefits academic and interpersonal growth. Through group and individual research and inquiry, students will discern, write and model practices that promote awareness of their personal strengths and weaknesses. Through the study of multi-modal nonfiction and fiction, students will explore such topics as emotional intelligence, basic neuroscience of attention and emotion, positive psychology, coping strategies, mindful reflection, methods for fostering a purposeful presence and how this role impacts a global and local community. Through a research-based culminating project, students will demonstrate their personal and scholarly development of a sustainable growth mindset.

Public Speaking - 2513DE (High School 2.5 Credits) Dual Enrollment for OCC Western Fundamentals of Public Speaking - COMM 154 (OCC 3 Credits) Grades 10-12

This course introduces students to basic communication theory and public speech performance skills. Emphasis is on researching, organizing, outlining, evaluating, and delivering informative, demonstrative, and persuasive speeches. Students must meet minimum "college readiness" test scores as determined by Ocean County College. There is a cost associated with this class.

The Investigation of Law, Order, and Justice (2529) (5 Credits) Grades 11-12

Do you sometimes wish you were a detective? If words or phrases like mystery, crime, open cases, and problem solving pique your interest, then this elective is for you! We will read non-fiction and literature, view portions of critically acclaimed television series or documentaries, and listen to podcasts, all of which will allow you to embrace your critical and problem solving skills. This course will allow you an opportunity to wrestle with questions about law, order, and justice. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English core course.

Literature & Sports (2531) (5 Credits) Grades 11-12

Whether you are a casual fan, a sports fanatic, or someone in between, this literary experience is for you. The course will examine how sports are portrayed in literature and discuss the history and influence of sports on our culture. It will cover both mainstream and lesser known sports. The course will include reading high-interest fiction, autobiographies, speeches from renowned coaches and athletes, memoirs, essays, articles and poems. Students will write a research paper on a current, relevant sports-related topic. Additional experiences will include creative, journalistic and argumentative writing. This course can be taken as an elective course or count towards graduation requirements as either an 11th or 12th grade English core course.

Harry Potter, History, and Hogwarts' Literary Criticisms (2524) (5 Credits) Grades 10-12
In the elective Harry Potter, History, and Hogwarts' Literary Criticisms, students will examine how the best seller and popular film franchise can be used to learn about world history and literary devices. Through the use of the Harry Potter book and film series, students will be looking at several historical and literary themes including: Socialism, Marxism, Social Stratification, Class Conflict through the Spanish Inquisition, Salem Witch Trials, and Rise of Nazism, Allegory, Symbolism, Mythology, and the Epic Hero. The overarching theme of the course will focus on Harry Potter's coming of age and the loss of innocence as a text of the bildungsroman genre. This course will utilize all of the following methods: reading of the novels, watching the films, reading the course textbook, applying various historiographical and literary skill sets, and discussing thematic topics in class.

Shakespeare Honors (2528) (5 Credits) Grades 11-12
Prerequisites: See chart above. William Shakespeare is arguably the all-time greatest writer of the English language. His works have impacted writers and stories for centuries. Shakespeare wrote tragedies, comedies, histories, "problem" plays and over 100 sonnets. Come explore works like A Midsummer Night's Dream, The Tempest, The Merchant of Venice, Henry IV & V, Twelfth Night, The Taming of the Shrew and others. Learn about life in Elizabethan England and the first playhouses. Find out what this Shakespeare guy is really all about. This course can be taken as an elective course or to count towards graduation requirements as either an 11th or 12th grade English core course.

SAT English Review (2360) (2.5 credits) Grades 10-12
Course must be taken with SAT Math Review. SAT English Review is designed to help students improve scores on the verbal section of the SAT through the study of vocabulary, grammar, usage, and effective comprehension and response to critical reading passages. Practice tests and test-taking strategies are an integral part of instruction.

Journalism I (2500) (5 credits) Grades 9-12
Journalism I is a writing-intensive course for the college bound student. It focuses on the study of reporting and the print media as related to newspapers, television, and magazines. Students will refine reading, writing, and visual communication skills and cultivate an awareness of the history of American media. Changing trends in news media and related aesthetic appeal will be critiqued as students become aware of the impact of mass media in society.

Journalism II (2501) (5 credits) Grades 10-12
Prerequisite: Successful completion of Journalism I and teacher's recommendation.
Journalism II focuses on layout and design of the School Newspaper. An online publication to be posted on the district's main page. Students will refine writing and editing skills as well as implement layout and design while creating newsworthy and professional publications. Students enrolled in Journalism II will explore career options in mass media and publishing. This class can be taken more than once for credit.

Creative Writing Workshop (2512) (5 credits) Grades 10-12
This course is designed to foster students' passion for writing creatively. Through a writer's workshop approach, students engage in the full writing process from prewriting to publication. Students create

short stories, poetry, screenplays/plays, personal narratives, and keep daily journals. This writing, critiqued through self, peer, and teacher evaluations, culminates with the creation of portfolios and submissions for publication.

Public Speaking /Communications (2513) (5 credits) Grades 10-12

This course is designed to strengthen the high school student's oral communication skills. Various types of speeches (personal experience, informative, persuasive, entertaining, impromptu, demonstration, etc.) will be studied and students will develop the fundamental skills necessary to plan and to present these speeches that will be evaluated by peers and the teacher. Writing, reading, and listening as well as spoken communication skills will be strengthened.

Film Analysis (2514) (5 credits) Grades 10-12

Students in Film Analysis will view entertaining, intriguing, and relevant films in order to explore essential questions in film analysis. A focus on how films use literary elements in visual media will help to hone the literary skills of students while they gain a new appreciation for both literature and film. An emphasis on comparative analysis through class discussion and other assignments will provide students the opportunity to think critically and analytically.

NJSLA Portfolio Math/English (2361) (5 credits) Grade 12 by placement only

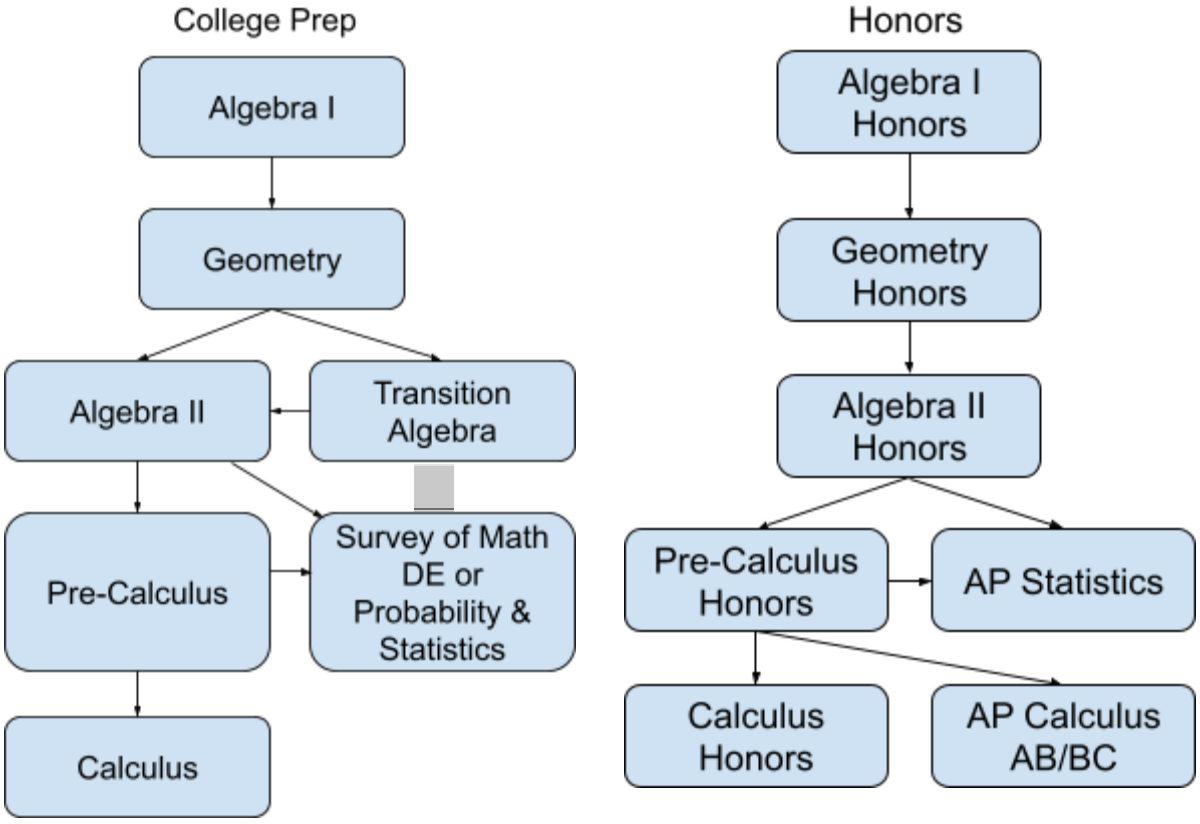
This course is designed to prepare 12th grade students who have not met the assessment mandates for graduation in either Mathematics or English or both, as per the New Jersey Department of Education. The course will prepare students for assessments such as the Accuplacer, ASVAB, SAT and ACT. Additionally, students will complete the components required for the PARCC Portfolio, the alternative assessment submitted to the New Jersey Department of Education for review and approval. Enrollment in this class is not optional. The Math and English Supervisor will determine placement in the course after review of the assessment data at the end of grade 11.

English as as Second Language (ESL) COURSES

COURSE	DESCRIPTION
ESL I 5 credits	The focus of ESL I is to develop and provide support in communicative and academic English Language Proficiency in listening, speaking, reading, and writing. ESL is guided by the mandated English Language Development Standards (ELD) for effective pedagogy. The ESL level 1 course will focus on oral language development and includes content area vocabulary, academic language, and concepts related to the curriculum. The ESL Level 1 course will continue to reinforce basic foundational structures and conversational expression in English with pronunciation practice.
ESL/US HISTORY I 5 credits Note: This course fulfills the ESL req.	The focus of English as a Second Language (ESL) US History I is to develop and provide support in communicative and academic English Language Proficiency in listening, speaking, reading, and writing through the US History I content. ESL US History I is guided by the mandated English Language Development Standards (ELD) for effective pedagogy. The ESL/US History I course will focus on oral language development and includes content area vocabulary, academic language, and concepts related to the curriculum. The ESL US History 1 course will continue to reinforce basic foundational structures and conversational expression in English with pronunciation practice around the US History I curriculum content..
ESL II Fall or Spring 5 credits	ESL Level II will continue to reinforce foundational structures of English and conversational expression with pronunciation practice. The development of academic vocabulary and concepts related to the curriculum will increase as Level II students approximate the language of native speakers. The focus of ESL is to provide continued support of the English Language in listening, speaking, reading, and writing.
ESL III Fall or Spring 5 credits	ESL Level III will continue to reinforce foundational structures of English and conversational expression with pronunciation practice. Emphasis on vocabulary, grammar development, and reading comprehension will be incorporated in this course. The development of academic vocabulary and concepts related to the curriculum will increase as Level III students approximate the language of native speakers.

Mathematics

This chart illustrates possible course sequencing in the Mathematics Department. The rigor of a student's academic schedule and the grades received are key aspects considered by college admissions officers. Core Program courses satisfy graduation requirements, but may not satisfy certain admissions requirements for some colleges.



Program Placement/Selection

Students who wish to take Honors or AP level coursework must meet two of the three criteria listed below for the desired course.

Level	Classroom Performance	Teacher Recommendation	NJSLA Cut Score
Algebra I Honors	≥92 (A) in 8th grade math OR >80 (B) in 8th grade Algebra I	Yes	750 Math 8
Geometry Honors	≥80 in Algebra I Honors/8th grade Algebra I OR ≥95 in FY Algebra I	Yes	750 Algebra I
Algebra II Honors	≥80 in Algebra I Honors & ≥80 in Geometry Honors OR ≥95 in FY Algebra I & ≥95 in Geometry	Yes	750 Algebra I
Pre-Calculus Honors	≥85 in Algebra II Honors	Yes	750 Algebra I
Honors Statistics	≥85 in Algebra II Honors	Yes	750 Algebra I
Calculus Honors	≥85 in Pre-Calculus Honors	Yes	750 Algebra I
AP Calculus	≥92 in Pre-Calculus Honors	Yes	750 Algebra I
AP Statistics	≥88 in Algebra II Honors	Yes	750 Algebra I
AP Computer Science	≥92 in Java	Yes	750 Algebra I

Math Core

Algebra I (6201) (10 Credits) Grade 9

This full year course is designed to provide students more time in an Algebra I program in order to better internalize concepts and find greater success. Students will be expected to demonstrate proficiency in solving complex equations and inequalities; in graphing linear, quadratic, absolute value, and exponential functions; in application of skills by solving real-life problems. This course will provide students with the foundation needed for Geometry and Algebra II. The successful completion of Algebra I will count as one of the three math courses required for graduation.

Algebra I Honors (6400) (5 Credits) Grade 9

Prerequisite: See chart above.

Algebra I Honors is recommended for students with above average mathematical and problem solving skills. The purpose of Algebra I Honors is the continued development of critical thinking skills and problem solving techniques needed to conceptually understand and apply algebraic systems for solving problems. Students will be expected to demonstrate proficiency in solving complex equations and inequalities; in graphing linear, quadratic, absolute value, and exponential functions; in application of skills by solving real-life problems.

Geometry (6403) (5 credits) Grades 10-12

Prerequisite: Successful completion of Algebra I or Algebra I Honors

The main objectives of the course are to convey an understanding of the deductive reasoning process, to develop an ability to conduct deductive proof, and to obtain information about the geometric concepts of point, line, and plane in both two and three dimensions. Three-dimensional ideas are developed as an integral part of the course. Elements of coordinate geometry and geometric aspects of trigonometry are also presented. Algebraic concepts will be reinforced as various solutions will require algebraic solutions.

Geometry Honors (6501) (5 Credits) Grades 9-10

Prerequisite: See chart above.

This is the first course in a special sequence of courses for students who have demonstrated a special ability and/or interest in Mathematics. The main objectives of the course are to convey an understanding of the deductive reasoning process, to develop an ability to conduct deductive proof, and to obtain information about the geometric concepts of point, line, and plane in both two and three-dimension. Three-dimensional ideas are developed as an integral part of the course. Elements of coordinate geometry and geometric aspects of trigonometry are also presented. Algebraic concepts will be reinforced as various solutions will require algebraic

solutions.

Transition Algebra (6103) (5 credits) Grades 11-12
Prerequisite: Successful completion of Algebra I and Geometry. This course cannot be taken after successful completion of Algebra II. Transition Algebra is a course designed for the student seeking to complete their third year of mathematics as required for graduation. This course is designed to help students develop and refine workplace readiness mathematical concepts and problem-solving skills.

Algebra II (6402) (5 credits) Grades 10-12
Prerequisite: Successful completion of Algebra I and Geometry or their equivalents and a teacher recommendation.
This course is designed to extend the skills and concepts developed in Algebra I. Previous concepts that are explored in greater depth include equations, inequalities, exponents, functions, graphing, linear systems of equations, polynomials, and radicals. New topics include higher degree equations, complex numbers, and rational expressions. An emphasis is also placed on problem solving.

Algebra II Honors (6502) (5 credits) Grades 9-11
Prerequisite: See chart above.
This is the second course in a special sequence of courses for students who have demonstrated a special ability and/or interest in Mathematics. This course will be devoted to the study of topics in Algebra, Trigonometry, and Elementary Functions in preparation for an advanced placement program in Analytic Geometry and Calculus.

Math Electives

Probability, Statistics and Discrete Mathematics (6511) (5 credits) Grades 11-12
Prerequisite: Successful completion of Transition Algebra, Algebra II or Algebra II Honors
It is highly recommended that students electing this course have maintained a minimum grade point average of 80 in prerequisite courses. The elective course is designed to provide a suitable background for realistic applications in daily life as well as for college probability and statistics courses. The five themes of discrete mathematics, namely: systematic listing, counting, and reasoning; discrete mathematical modeling using networks and trees; iterative patterns and processes; organizing and processing information; and following, devising, and using “algorithms” to find the best solution.

Honors Statistics (6512) (5 credits) Grades 10-12
Prerequisite: See chart above.
This course will introduce the student to the methods used in applied statistics, both descriptive and inferential. The course will also make use of the concepts of probability. The student will gain insight into the preparation of statistical reports and will be better able to interpret the figures and meaning of statistics. This course will serve as a prerequisite for AP Statistics in the following years.

Survey of Mathematics - 6700DE (High School 5 Credits) Dual Enrollment for OCC Survey of Mathematics - MATH 151 (OCC 3 Credits)
This is a mathematical course for liberal arts students. This course is a study of some of the fundamental concepts in mathematics. Topics include: sets, probability, logic systems of numeration, groups, and mathematical systems. Applications of these topics in various fields of study are included in the course. Students must meet minimum "college readiness" test scores as determined by Ocean County College. There is a cost associated with this class.

Calculus (6509) (5 credits) Grades 11-12
Prerequisite: Minimum grade of 80 in Pre-Calculus or Pre-Calculus Honors.
This course was designed for students with mathematical aptitude who have an understanding of Pre-Calculus and the desire to study Calculus in college. The year begins with a review of elementary functions followed by a study of limits, differential calculus and beginning integral calculus. Successful completion of Pre-Calculus is required.

Pre-Calculus (6510) (5 credits) Grades 11-12
Prerequisite: Successful completion of Algebra II or Algebra II Honors.
It is highly recommended that students electing this course have maintained a minimum grade point average of 80 in prerequisite courses. This course is designed for students planning to attend college. The curriculum integrates algebraic and statistical concepts and analysis, and previews calculus in work with functions as well as intuitive notions of limits. Among the topics studied are: real and complex numbers, polynomial, exponential, logarithmic, and trigonometric functions and their graphs. Technology is available for student use in plotting functions, analyzing data, and simulating experiments. Students seeking a more rigorous college-preparation course should select Pre-calculus Honors.

Pre-Calculus Honors (6503) (5 credits) Grades 10-12
Prerequisite: See chart above.
This is a rigorous course designed to prepare students for the study of calculus, culminating the student's study of elementary functions. Topics include polynomials, logarithmic and exponential functions, a full study of trigonometry as well as statistics and an introduction to

calculus.

Calculus Honors (6504) (5 credits) Grades 11-12

Prerequisite: Academic excellence; minimum grade of 85 in Pre-Calculus Honors

This is a course designed for the highly motivated student who wishes to experience a broad-based study of calculus. Topics include: limits; basic techniques of differentiation; mathematical and real-world applications of the derivatives studied; exponential and logarithmic functions; basic techniques of integration; and mathematical and real world applications of the integrals studied.

Advanced Placement Calculus AB (6506) (10 credits) Grades 11-12

Prerequisite: See chart above.

AP Calculus is a two-semester course. This is a rigorous course designed for the highly motivated student. The program of study is one prescribed by the College Entrance Examination Board and includes: limits, derivatives of Algebraic functions and their applications, integration, and applications of the definite integral. The midterm exam is mandatory for this course. Students who successfully complete this course of study are encouraged to take the Advanced Placement Examination to qualify for possible college credits.

Advanced Placement Calculus BC (6514)(10 credits) Grades 11-12

Prerequisite: Academic excellence; minimum grade of 96 in Pre Calculus Honors. This is a rigorous course designed for the highly motivated student. AP Calculus BC is roughly equivalent to both first and second semester college calculus courses; it includes the content of AB in addition to different types of equations (polar, parametric, vector-valued) and more advanced topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The program of study is one prescribed by the College Entrance Examination Board. Students who successfully complete this course of study are encouraged to take the Advanced Placement Examination to qualify for possible college credits.

Advanced Placement Statistics (6513) (5 credits) Grades: 11-12

Prerequisite: See chart above.

This is a weighted course, which includes the following topics: exploring data, planning a study; anticipating patterns; and statistical inferences. Computers and/or calculators are used as frequent exploration tools. This course is excellent for students who intend to study business, economics, and/or social sciences where data analysis is required. Students who successfully complete the course are recommended to take the Advanced Placement Test of the College Entrance Examination Board that may result in advanced credit toward college mathematics

courses.

NJSLA Portfolio Math/English (6361) (5 credits) Grade 12 by placement only

This course is designed to prepare 12th grade students who have not met the assessment mandates for graduation in either Mathematics or English or both, as per the New Jersey Department of Education. The course will prepare students for assessments such as the Accuplacer, ASVAB, SAT and ACT. Additionally, students will complete the components required for the PARCC Portfolio, the alternative assessment submitted to the New Jersey Department of Education for review and approval. Enrollment in this class is not optional. The Math and English Supervisor will determine placement in the course after review of the assessment data at the end of grade 11.

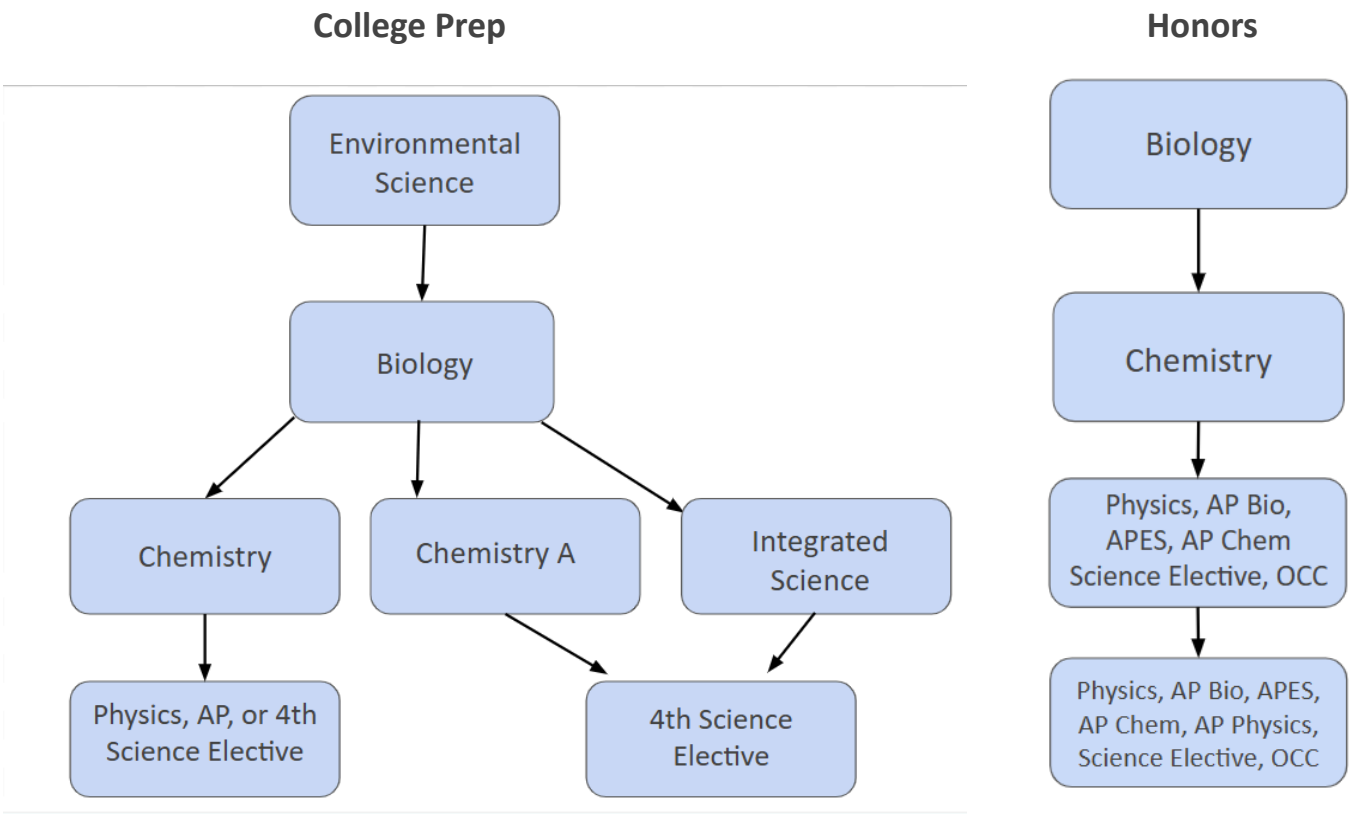
SAT Mathematics Review (6458) (2.5 credits) Grades 10-12

Prerequisite: Successful completion of Algebra I and Geometry

SAT Mathematics Review is a course that must be taken in conjunction with SAT English Review. This course provides an opportunity for a review of the concepts of Algebra and Geometry for the student who feels the need for such a review. Topics include arithmetic, algebra and geometry in an effort to strengthen the basic repertoire of skills and processes, which should be part of students' background before entering college.

Science

The chart illustrates possible sequencing in the Science Department. Sequencing need not be constant; students may move between levels as long as prerequisite courses are taken and required grades are earned. These prerequisites are listed in the program of studies. Students should plan their science sequence in close coordination with the mathematics courses they choose.



Students may take more than one course per semester or year.

Program Placement/Selection

Students who wish to take Honors or AP level coursework must meet **all** of the criteria listed below for the desired course.

Level	Science Classroom Performance	Math Classroom Performance	Teacher Recommendation
Biology I Honors	>92 in Environmental Science	>92 in Algebra I	Yes
	All A's in Gr. 8 Science	All A's in Gr 8 Math	Yes
Chemistry Honors	>88 in Biology 1 Honors	>88 in Current Math Honors	Yes
	>92 in Biology 1	>92 in Current Math Course	
Chemistry	Biology I	>60 in Algebra 1	No
Chemistry A		<60 in Algebra 1	No
Physics Honors	>85 in Chemistry Honors OR >92 in Chemistry	>85 in Algebra II Honors OR >92 in Algebra II	Yes
Biology II Honors	>85 in Biology I & >85 Chemistry	N/A	Yes after 3 course sequence
Honors Marine Biology	>88 in Biology I Honors & Chemistry Honors OR >92 in Biology I & Chemistry	N/A	Yes after 3 course sequence
AP Biology	>90 in Biology I Honors & Chemistry Honors OR >94 in Biology I & Chemistry	>90 in Algebra II Honors OR >94 in Algebra II	Yes after 3 course sequence

AP Chemistry	>90 in Chemistry Honors OR >94 in Chemistry	>90 Algebra II Honors OR >94 in Algebra II	Yes after 3 course sequence
AP Physics "C" Mechanics	Previous Physics course encouraged but not required	AP Calculus AB/BC	Yes after 3 course sequence
AP Environmental Science	>88 in Biology I & Chemistry Honors OR >92 in Biology I & Chemistry	N/A	Yes after 3 course sequence

Science Core

Environmental Science (8504) (5 Credits) Grades 9-12

Environmental Science is the introductory science course for the majority of students. The course is designed to immerse students in the physical, biological, and earth systems sciences that shape our environment. Scientific concepts and principles and modern scientific practices allow students to analyze environmental issues, both natural and human-induced, and engage in evidence-based decision making in real world contexts.

Biology I Honors (8203) (5 credits) Grades 9-10

Prerequisite: Minimum grade of 92 in Environmental Science and Algebra I or A in 8th grade Science and Math. all A's.

Biology I Honors is a course designed for the highly motivated student who wishes to experience an in-depth study of living organisms. Students will study the content of the Biology I curriculum to a greater depth and at a much accelerated pace. Concepts explored include biochemistry; cell structure and function; genetics; evolution; biological interrelationships; ecology; and the structure, function, and life cycle of protists, plants, and animals. Mastery of laboratory skills as a basis for inquiry and investigation is essential for success in this course.

Biology I (8202) (5 credits) Grades 10-12

Prerequisite: Successful completion of one high school science course.

Biology I is a course designed for the college bound student. In the laboratory, students will develop, practice and refine investigative skills, and gain firsthand experience in the application of course content. The course focuses on the study of protists, the interrelationships of plants

and animals, ecology, cellular biology, biochemistry, taxonomy, diversity, systematics, human biology, genetics, and evolution.

Chemistry (8301) (5 credits) Grades 10-12

Prerequisites: Successful completion of Biology and a minimum grade of 80 in Algebra I.

Chemistry is a mathematically oriented science course designed for the college bound student. Students will develop thinking and problem-solving skills which will require a true understanding of basic chemistry concepts. In the laboratory students will develop, practice and refine investigative skills and gain first-hand experience in the application of course content. Where appropriate, technology will be utilized to reinforce and apply chemical concepts studied in the classroom. Among the topics covered are chemical formulas, equation writing and balancing, states of matter, atomic theory, chemical reactions, chemical problems, the Periodic Chart and the application of chemistry to our everyday life.

Chemistry Honors (8302) (5 credits) Grades 10-11

Prerequisites: Minimum grade of 88 in Biology I Honors and current Math Honors or 92 in Biology I and current Math course.

Chemistry Honors is a course designed for the highly motivated student who wishes to experience an in-depth study of the composition and structure of the material world. Mathematics is extensively used as a tool in this study. Students will study the content of the chemistry curriculum in greater depth and at a much accelerated pace. Where appropriate, technology is utilized to reinforce and apply chemical concepts studied in the classroom. Concepts explored include chemical formulas; equation writing and balancing; states of matter; atomic theory, chemical reactions, chemical problems; and the Periodic Table of the Elements. In the laboratory, students develop, practice and refine investigative skills and gain hands-on experience in the application of course content.

Chemistry A (8300) (5 credits) Grades 10-12

Prerequisites: Successful completion of Biology and a minimum grade of 70 in Algebra I

The purpose of this college prep course is to provide each student with an understanding of matter and how chemistry can make them more informed consumers. The scope and sequence of this course ranges from the study of the basic structures of matter to chemical reactions

Integrated Science (8102) (5 credits) Grades 11-12

Prerequisite: Successful completion of Biology

Integrated Science is a foundational course that explores major concepts in Earth and Space Science, Life Science, and Physics. Students engage in guided investigations, laboratory activities, and inquiry-based learning to develop scientific literacy and problem solving skills. While basic mathematical skills are incorporated to support scientific understanding, the course

is designed for students who benefit from a paced and supportive approach to math. This class provides a comprehensive overview of the sciences and prepares students for future coursework in the discipline.

Physics (8401) (5 credits) Grades 11-12
Prerequisites: Successful completion of Algebra II and Chemistry.
Physics is a course designed for the college bound student. In the laboratory students develop, practice and refine investigative skills, and gain first-hand experience in the application of course content. Topics studied in the course include: kinematics, machines, dynamics, energy and power, heat, sound, light, electricity and magnetism, electronics and nuclear physics.

Physics Honors (8402) (5 credits) Grades 10-12
Prerequisites: Minimum grade of 85 in Chemistry Honors and Algebra II Honors or 92 in Chemistry and Algebra II.
Physics Honors is a course designed for the highly motivated student who wishes to experience an in-depth study of the mechanics of the physical world. Students will study the content of the physics curriculum in greater depth and at an accelerated pace. Topics studied in the course include: kinematics, machines, dynamics, energy and power, heat, sound, light, electricity, magnetism, electronics and nuclear physics. In the laboratory, students develop, practice and refine investigative skills using the scientific method and gain first-hand experience in the application of the course content.

Science Electives

Advanced Placement Biology (8205) (10 credits) Grades 11-12
Prerequisite: completion of 3 course sequence and minimum grades 90 in Biology I Honors, Chemistry Honors & Algebra II Honors or 94 in Biology I, Chemistry and Algebra II.
Advanced Placement Biology is a two-semester course designed for the science-oriented college bound student. It is equivalent to a college level biology course. The major topics studied include the chemical, molecular and cytological components of unicellular and multicellular organisms, morphology, physiology, reproduction and heredity as well as evolution and ecology. Students are encouraged to take the Advanced Placement Examination to qualify for college credit. The midterm exam is mandatory for this course.

Advanced Placement Chemistry (8304) (10 credits) Grade 12, Open to 11.
Prerequisites: completion of 3 course sequence and minimum grades of 94 in Chemistry I and Algebra II or 90 in Chemistry Honors and Algebra II Honors.
This two semester college level chemistry course covers chemistry topics in depth with emphasis on chemical calculations and mathematical formulations of principles. The laboratory

work is of a qualitative and quantitative nature requiring research and implementation by the student. Students who plan to major in physical science, engineering, biological sciences, or the medical field should take this course. Midterm exam is mandatory for this course.

Advanced Placement Physics 1 & 2 (8403) (10 credits) Grades 11-12
Prerequisite: completion of 3 course sequence and minimum grade of 90 in Honors Physics and Pre-Calculus.
AP Physics is a second level Physics course designed to prepare qualified honors Physics students for the AP Physics exam. It is an intense, two semester course that follows the AP Physics curriculum. Topics covered include: Newtonian Mechanics, Fluid Mechanics and Thermal Physics, Electricity and Magnetism, Waves and Optics, and Atomic Nuclear Physics. Midterm exam is mandatory for this course.

Advanced Placement Physics C: Mechanics (8404) (10 credits) Grades 11-12
Prerequisite: completion of 3 course sequence and successful completion of AP Calculus AB/BC.
The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. It is an intense, two semester course.

Advanced Placement Environmental Science (8505) (10 credits) Grades 11-12
Prerequisites: completion of 3 course sequence and minimum grades of 92 in Biology 1 and Chemistry or 88 in Biology 1 Honors and Chemistry Honors.
This two semester course incorporates topics covered in Environmental Science, Oceanography, and Earth and Space Science with emphasis on scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students identify and analyze natural and man-made environmental problems, evaluate their relative risks, and examine alternative solutions for resolving and/or preventing them. This course includes a “hands-on, minds-on” approach to laboratory work and field investigations. Midterm exam is mandatory for this course.

Biology II Honors (8204) (5 credits) Grades 11-12
Prerequisites: completion of 3 course sequence and minimum grades of 85 in Biology I and Chemistry.
Biology II Honors is a survey of the biological diversity and evolution of the kingdoms of life, including animals, plants, fungi, protists, and bacteria. Special emphasis is placed on

morphology, physiology, behavior, and ecology, as students will relate form to function. As a lab course for students who have a genuine interest in the biological sciences, requirements include advanced laboratory procedures including dissections and independent research projects.

Honors Marine Biology (8207) (5 credits) Grades 11– 12

Prerequisites: completion of 3 course sequence and minimum grades of 92 in Biology I and Chemistry or 88 in Biology I Honors and Chemistry Honors.

This course is designed for college bound students seeking an academic career in marine science. The marine environment encompasses 99% of Earth's biosphere and contains an incredible diversity of microbial, algal, and animal life forms. This course will examine the biology of these organisms and the abiotics (e.g., salinity, nutrients, water current and tides) and biotic factors (e.g., competition, predation, symbiosis) that influence their distribution and abundance. Specific topics will include primary and secondary production, rocky intertidal biodiversity, estuaries, subtidal communities, coral reefs, pelagic and deep sea communities, impacts of humans on the ocean, and conservation of marine habitats. This course includes a "hands on" approach to laboratory work with extensive field investigations.

Genetics (8507) (5 credits) Grades 10-12

Prerequisites: completion of 3 course sequence and successful completion of Biology.

Genetics is designed for the college bound student. This course includes a study of the essentials of genetics, reproduction, and inheritance. Emphasis will be placed on the nature, distribution, and expression of hereditary factors in plants and animals. An examination of the scientific theories and social implications of genetics are incorporated into the course. Students are required to solve theory of probability problems and perform long range laboratory investigations using fruit flies.

Oceanography (8503) (5 credits) Grades 10-12

Prerequisites: completion of 3 course sequence and successful completion of Biology.

Oceanography is a course designed for the college bound student in which a study of the physical, chemical, and geological nature of the ocean is undertaken. In addition, special emphasis is devoted to the biological composition and interrelationships of the ocean environment. Mathematical computation will be required as students solve problems dealing with the composition of the ocean, ocean forces and related topics.

Anatomy & Physiology (8502) (5 credits) Grades 11-12

Prerequisites: completion of 3 course sequence and successful completion of Biology and Chemistry.

This course is designed for students who want a more intensive study of human anatomy and physiology. It is especially useful to students planning to continue their education in a health-related field. The course provides students with information about the structure and function of the organizational levels of the human body. The scope and sequence of this course ranges from the eleven organizational levels of the human body to their complex interaction and relationships. Required dissections will include representative samples of organ systems.

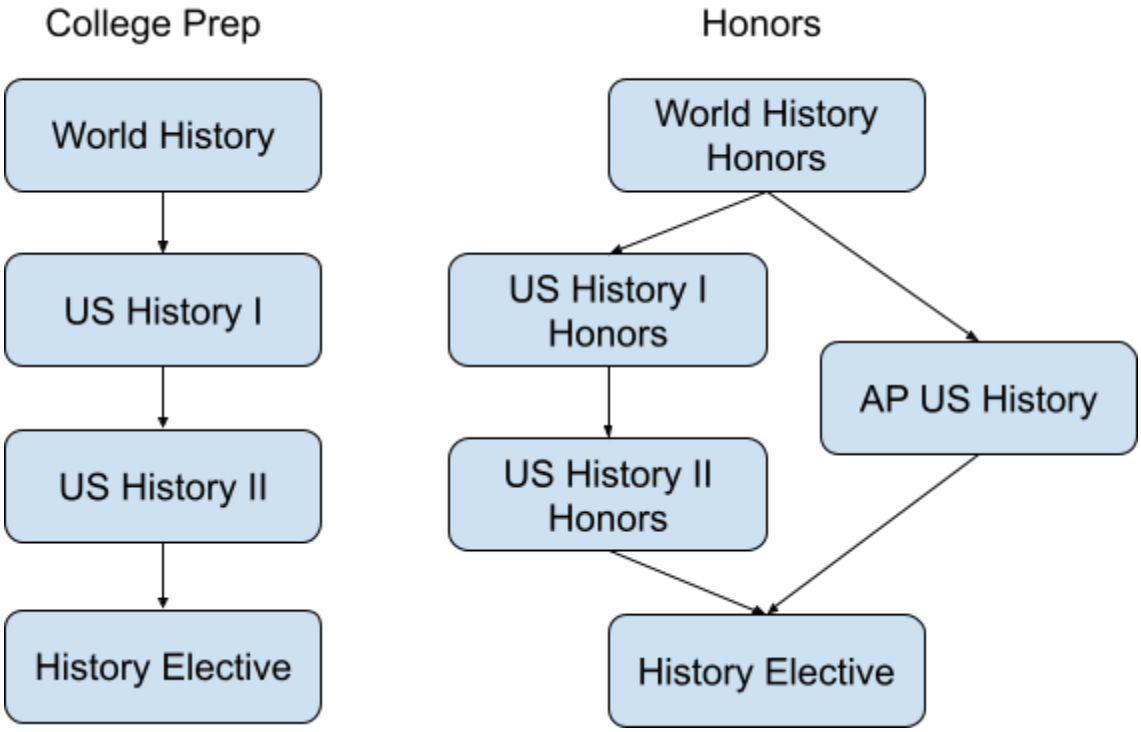
Forensic Science (8508) (5 credits) Grades 11-12

Prerequisites: completion of 3 course sequence and successful completion of Biology and Chemistry.

Forensic Science is a hands-on, problem-solving course utilizing knowledge and skills learned in the areas of biology and chemistry to solve simulated criminal cases. Students will receive instruction in the biological and chemical aspects of physical evidence, trace and transfer evidence, hair and fiber evidence, blood identification, bloodstain pattern analysis, and crime scene investigation skills. Students will also receive instruction in microscopic and digital photography skills in evidence collection and analysis.

Social Studies

This chart illustrates possible course sequencing in the Social Studies Department. Courses have been grouped according to level of academic rigor. The rigor of a student's academic schedule and the grades received are key aspects considered by college admissions officers. Core Program courses satisfy graduation requirements, but may not satisfy certain admissions requirements for some colleges. Please note: sequencing need not be constant; students may move between "levels" as long as prerequisite courses are taken. Prerequisite requirements and recommendations for all courses are listed in the course descriptions. Please read these carefully, to ensure that all prerequisite courses have been taken before selecting a course.



Program Placement/Selection

Students who wish to take Honors or AP level coursework must meet the below criteria for the desired course.

Level	Classroom Performance	Teacher Recommendation
World History Honors	>92 (A) in 8th grade Social Studies and English	Yes
AP World History OR AP European History	>90 in US History II OR >85 in AP US History AND >90 in English I OR >85 in English I Honors	Yes
US History I Honors	>90 in World History	Yes
US History II Honors	>90 in US History I OR >85 in US History I Honors	Yes
AP US History	>90 in World History Honors AND >90 in English I Honors	Yes
AP US Government & Politics	>90 in US History I OR II	Yes
AP Macroeconomics	>85 in US History II	Yes
AP Microeconomics	>85 in US History II	Yes
AP Human Geography	>85 in World History OR US History I	Yes

Social Studies Core

World History (9101) (5 Credits) Grade 9
The complicated problems facing the world today cannot be understood without a working knowledge of historical events. This course equips young people with the knowledge of the past that is necessary to cope with the present and to plan for the future. It also provides them with skills for productive problem solving and decision making, as well as for assessing issues and making thoughtful value judgments. This curriculum addresses world events in the 20th and 21st centuries.

World History Honors (9102) (5 credits) Grade 9
Prerequisites: 92 in previous CP History and 92 English CP or 85 Honors in previous Honors History course and 85 English Honors. Prerequisite of "A' for incoming 8th grade students. This challenging semester course will provide an opportunity for motivated students to study contemporary events and historical evidence that have shaped our global society. Inductive reasoning, critical thinking, and the ability for a student to express their competency through written and oral expression are required for success in this course.

U.S. History I (9301) (5 credits) Grade 10
The U.S. History I program will examine the major social, ideological, economic and political institutions from the period of exploration through the 1920s. An interdisciplinary approach will be employed as students gain an appreciation of artistic, literary and technological contributions of each era.

U.S. History I Honors (9302) (5 credits) Grade 10
Prerequisites: 90 in previous CP History and 92 English CP or 85 Honors in previous Honors History course and 85 English Honors. The honors program in U.S. History I is substantially the same in content as U.S. History I. However, the methodology requires students to be more reliant on their own talents and resources. Inductive reasoning and the ability to analyze critically are essential elements of the course. Students will be required to read and interpret original sources. They will be required to develop, to defend, to evaluate, and to debate a position through the use of oral and written expression.

U.S. History II (9401) (5 credits) Grade 11
A continuation of the interdisciplinary approach will prevail as the students examine the significant events from the nineteenth to the twenty-first centuries. By understanding the ramifications of historical events through cause/effect relationships, students will be better prepared to make decisions regarding their role in our society. U.S. History students will take

from the program a commitment to the basic principles of democracy recognizing their rights as well as their freedoms.

U.S. History II Honors (9402) (5 credits) Grade 11
Prerequisites: 90 in previous CP History and 92 English CP or 85 Honors in previous Honors History course and 85 English Honors. The second level of the U.S. History Honors Program is substantially the same in content as U.S. History II and is a continuation of the methodologies previously established in U.S. History I Honors.

Advanced Placement U.S. History (9405) (10 credits) Grade 10
Prerequisites: Minimum grade of 90 in World History Honors, 90 English I Honors, World History teacher recommendation.
This course covers United States History from the Age of Exploration to the twenty-first century. The course of study will also include preparation for the Advanced Placement Test and SAT Achievement Test. Students will have the opportunity to accelerate their academic careers by earning college credit or advanced placement credit by obtaining successful grades on the test. Midterm exam is mandatory for this course.

Social Studies Electives

Advanced Placement World History (9103) (5 credits) Grades 10-12
Prerequisites: Minimum grade of 90 in US History II/85 AP US History, 90 English I/85 English I Honors, teacher recommendation.
This challenging course will provide an opportunity for motivated students to study events and historical evidence that have shaped our ever-increasingly shrinking world. Curriculum, instruction and materials will be in accordance with the Advanced Placement World History Program. The six themes are: impact of societal interaction, change and continuity across world history periods, impact of technology and demography, social and gender structures, cultural and intellectual developments and functions and structures of states. The course of study will also include preparation for the Advanced Placement Test. Midterm exam is mandatory for this course. Students will have the opportunity to accelerate their academic careers by earning college credits or advanced placement based on successful grades obtained on the test.

Introduction to Politics (9201) (5 credits) Grades 10-12
This course is designed to familiarize students with the mechanics of our political institutions on the national, state and local levels. The course will highlight both the positive and negative aspects of our political scene as well as encourage participatory citizenship. The students will

become aware of how our government works on a constitutional level and will analyze the basic rights and responsibilities of government. Attendance at Town Council and Board of Education meetings and involvement in related community activities may be an integral part of this course.

Introduction to Economics (9202) (5 credits) Grades 10-12
This course will be primarily concerned with preparing students in their role as citizens within a competitive global economy. The course will also prepare college bound students for entry level economics courses in college. Economic issues and concepts will be analyzed. A series of current economic problems and their national and international ramifications will be integrated into the curriculum. Macroeconomics, microeconomics and personal finance are all units embedded within the structure of this important course.

Note: This course will fulfill the state mandated Financial Literacy requirements for graduation.

World Geography (9204) (5 credits) Grades 9-12
This course will study both political and cultural geography on a global basis. Major units of study include: (1) Topography; (2) Climate and Weather; (3) the effects of geography on current world events. Students will also analyze global, national and state allocation and distribution of resources. The investigation of the five themes of geography is incorporated within the confines of this curriculum.

Holocaust and Genocide Studies (9205) (5 credits) Grades 10-12
This course is designed to give students a detailed analysis of the causes and consequences of genocide from a historical, literary, and media perspective. Tolerance and respect for all cultural groups will be emphasized. The Nazi Holocaust will serve as the test model, but other genocides such as Armenia, Rwanda, Serbia, etc. will play a role in our studies. The significance of Nazi racial and expansion policies along with European Anti-Semitism as well as the above format will follow the New Jersey Commission on Holocaust Education Guide. Field trips and guest speakers may be used when appropriate.

History of Sports in America (9210) (5 Credits) Grades 11- 12
History is usually viewed as a series of singular events on a timeline. However, sports and the impact they have on society and historical events are often overlooked. Sports are instrumental in pushing society forward and have shaped American history by breaking down barriers, setting new norms, tackling issues that impact people on an individual or general level, and so much more. One cannot tell the history of the world or the U.S. without talking about the history of sports and its impact on society. This class will examine the impact America has had on sports and the impact sports have had on America history.

Military History (9211) (5 Credits) Grades 10- 12
This course provides an overview of American military history and the causes, outcomes, and significance of major wars and related issues. Students will study the events and leaders of American military history from the American Revolution to recent times. With the subjects of diplomacy and defense constantly in the news (e.g., alliances, budget, nuclear debate, terrorism, the all-volunteer Army, and women in combat roles), citizens should know America's unique military past in order to understand the present issues and make informed decisions in the future. There will be an emphasis on critical reading, thinking, and writing, as well as using primary evidence to conduct research.

Western Civilization 9257DE (High School 2.5 Credits) Dual Enrollment for OCC Western Civilization - HIST 171 (OCC 3 Credits) Grades 10-12
A survey of Western history from the earliest civilizations to the beginning of the modern era. Emphasis is placed on the changes through time in political, social and religious institutions as well as on intellectual and cultural achievements. The course is designed to help the student better understand self and society by becoming acquainted with the past history of the Western world. There is a cost associated with this class.

General Psychology - 9256DE (High School 2.5 Credits) Dual Enrollment for OCC PSYC 172 (OCC 3 Credits) Grades 10-12
This introductory course focuses on the study of behavior and cognitive processes. Emphasis is on neuroscience, states of consciousness, human development, sensation and perception, learning, memory, intelligence, emotion and motivation, personality, psychological disorders, psychotherapy, and social behavior. There is a cost associated with this class.

Introduction to Sociology - 9408DE (High School 2.5 Credits) Dual Enrollment for OCC Introduction to Sociology - SOCI 181 (OCC 3 Credits) Grades 10-12
This course presents the fundamental concepts, sociological perspectives, and methods of social research. Course topics include culture, socialization, deviance, social class, race and ethnicity, and gender and sexuality. There is a cost associated with this class.

Introduction to Law (9206) (5 credits) Grades 10-12
This course examines the role of law in American society, the processes and procedures of the legal system, as well as the limits of the law. Practical day-to-day application of the law will be stressed. Since the application of law affects everyone in some way (marriage, divorce, property ownership or rent, wills, contracts, etc.) this elective should be considered by every student. A highlight of the course is a student-based mock-trial that will give each student a

"hands on" experience.

Advanced Placement U.S. Government and Politics (9406) (5 credits) Grades 11-12
Prerequisites: Minimum grade of 90 U.S. History I or II and teacher recommendation.
The AP United States Government and Politics course is a semester course that provides an analytical perspective on government and politics in the United States. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. The course of study will also include preparation for the Advanced Placement Test and SAT Achievement Test. Students will have the opportunity to accelerate their academic careers by earning college credit or advanced placement on successful grades obtained on the test.

Introduction to Sociology (9408) (5 credits) Grades 10-12
The course will explore the nature of human relationships in a complex society. Societal needs and the responses of collective behavior will be analyzed. Exposure to the academic concepts in the course will prepare students for the many social interactions they will encounter. The culminating experience will be the creation of a media presentation synthesizing the role of contemporary politics, music, arts, and literature to reach a personal understanding of change and continuity in society.

Advanced Placement European History (9510) (5 credits) Grades 11-12
Prerequisites: Minimum grade of 90 in US History II/85 AP US History, 90 English I/85 English I Honors, teacher recommendation.
AP European History is an intensive study of the foundations of Western Civilization. The course begins in the 15th century Italian Renaissance and ends in the 21st century. Topics include the Renaissance, French Revolution, The Industrial Revolution, Marxism, The World Wars, Europe in the Global Economy to name a few. Attention will be paid to the music, architecture, literature and art of each time period. The AP exam provides the opportunity to earn six college credits. Open to 11-12 grade students.

Advanced Placement Macroeconomics (9410) (5 credits) Grades: 11-12
Prerequisite: Minimum grade 85 in US II History.
This course is intended for students seeking an in-depth background in microeconomic and macroeconomics principles. Macroeconomic principles discussed include measurements of economic performance such as gross domestic product, inflation and unemployment; national income, aggregate supply and demand analysis, classical and Keynesian viewpoints, monetary and fiscal policy; and international economics. Students who successfully complete this course are recommended to take the Advanced Placement Test which may result in credit towards college Social Studies requirements.

Advanced Placement Microeconomics (9411) (5 credits) Grades: 11-12

Prerequisite: Minimum grade 85 in US II History.

AP Microeconomics is a one-semester course to promote the student's understanding of economic principles involving the individual decision makers within the economic system. Primary emphasis is placed on the interaction of producers and consumers in product and resource markets. The course also includes a study of the ways in which the government attempts to correct market failures. Analysis is an integral part of this course and students will be expected to make narrative as well as graphical analysis of topics throughout the course by monitoring current knowledge of microeconomics topics as we proceed through the course by monitoring current periodicals. At the conclusion of the course, the student will be expected to be prepared to take the Advanced Placement Microeconomics Exam.

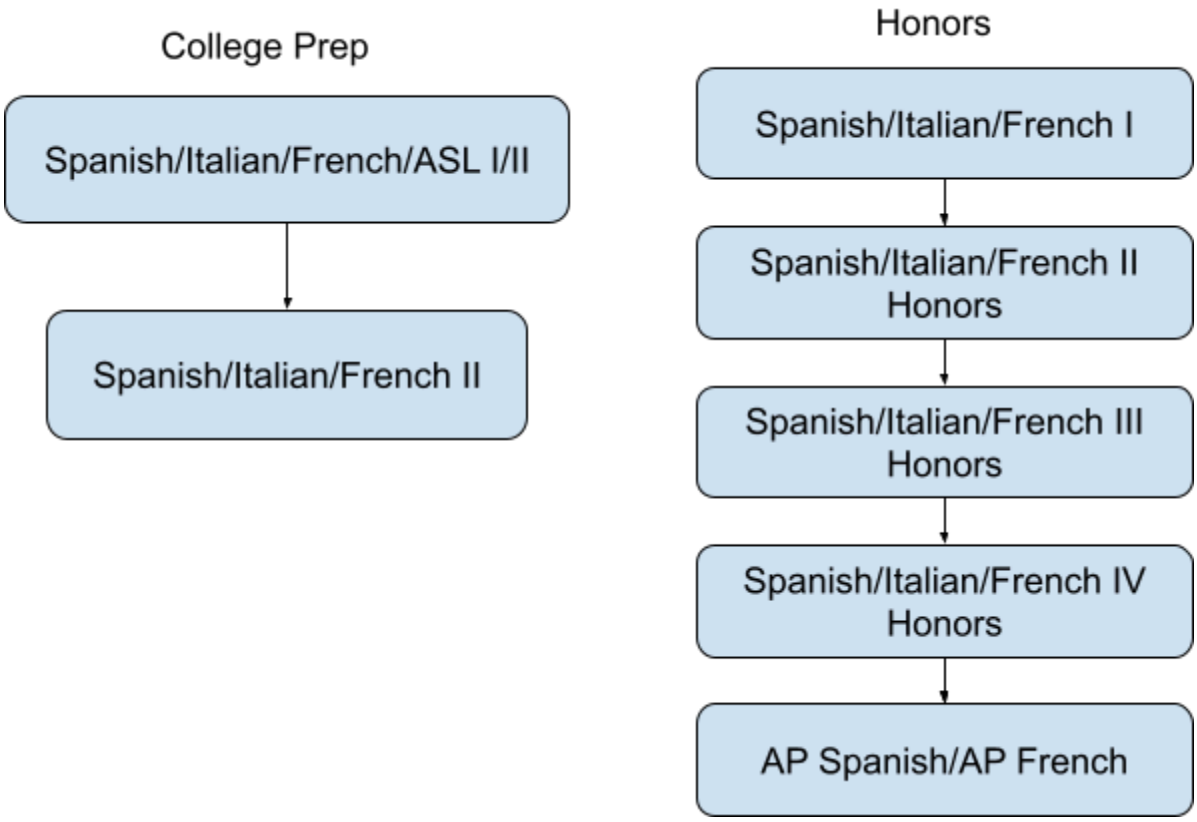
Advanced Placement Human Geography (9412) (5 credits) Grades 10-12

Prerequisite: Minimum grade of 85 in World History or US History I.

This course is an in-depth and intensive study of geographic themes and issues, both historic and contemporary. Topics include population density and trends, colonialism and imperialism, the global development of agriculture, and industrialization. Students will explore and analyze the intricate and complicated interactions between human beings and their environment. Students who successfully complete the course are recommended to take the Advanced Placement Test which may result in credit towards college Social Studies requirements.

World Language

This chart illustrates course sequencing in the World Languages Department. As a student advances in the study of a world language, the courses become more academically rigorous. The rigor of a student's academic schedule and the grades received are key aspects considered by college admissions officers. Please note: prerequisite requirements for all courses are listed in the course descriptions. Please read these carefully to ensure that all prerequisite courses have been taken before selecting a course. Students should contemplate the risk involved when choosing courses that build upon previous courses and recognize that prior performance



impacts the ability to achieve in subsequent levels. **Twelfth grade students enrolled in Level III or higher will be encouraged to participate in the Seal of Biliteracy program and assessment.**

French

French I (4101) (5 credits) Grades 9-12
French I is an introductory course designed to provide the students with the necessary tools to communicate in French. Students are invited to express themselves by interacting with their classmates. The approach is proficiency based, empowering the students with high frequency vocabulary used in context. Listening, speaking, reading, and writing skills appropriate to this level are emphasized. Students will also study the culture of French-speaking people throughout the world.

French II (4102) (5 credits) Grades 9-12
Prerequisite: Successful completion of French I.
In French II students learn to communicate on a more complex level. Their ability to read, comprehend, and write will improve as they learn to analyze and interpret songs, poems, and letters. Students will continue to study the culture of the French speaking world.

French II Honors (4112) (5 credits) Grades 10-12
Prerequisites: Minimum grade of 92 in French I; teacher recommendation from French I teacher.
This course contains a thorough review of the fundamentals, grammar, and vocabulary taught in French I. A more advanced aural-oral approach is used throughout the semester course. More in-depth and advanced reading, comprehension, composition, and conversation are vital to success in this course. Students will receive 5 points on their final grade toward their grade point average.

French III Honors (4113) (5 credits) Grades 10-12
Prerequisite: Minimum grade of 92 in French II or French II Honors; teacher recommendation.
In French III Honors, students will continue to build extensively in native French vocabulary as well as knowledge of verbs and grammatical structures. There will be a greater emphasis on reading, writing, comprehension, and conversational skills. By the end of the year, students should be able to converse in French well, with proper expression, and be able to write comprehensively. This is a weighted course in which students will earn 5 points on their final GPA. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

French IV Honors (4104) (5 credits) Grades 10-12
Prerequisites: Successful completion of French III Honors; Teacher recommendation
This course is a continuation of French III. Students will continue to refine their grammar, while acquiring new vocabulary and utilizing subtle structural points. French IV Honors students will read cultural information, short stories, poems and excerpts from literary works in French. They will also study French history, science, culture and geography. Conversational skills will be emphasized and writing skills will be stressed through composition, dialogue. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Advanced Placement French Language (4106) (5 credits) Grade 12
Prerequisites: Minimum grade of 90 in French V Honors; Teacher recommendation
Students who are taking this course have successfully completed instruction of the language and are ready to challenge themselves in an advanced course. This is an experience equivalent to that of a third-year college course. The course is taught in French and the students are expected to speak in the language as well. Students begin speaking entirely in French during French V Honors and therefore they are aware of this expectation. Students are exposed to experiences to develop the four language skills: reading, writing, listening and speaking using authentic materials. Students are given the opportunity to accelerate their academic careers as they may earn college credit or advanced placement based on individual AP test performance. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Italian

Italian I (4401) (5 credits) Grades 9-12
This course is geared to the student interested in learning to read, speak, and understand the Italian language. The aural-lingual approach is stressed. Basic sentence structures, fundamentals of language, and a wealth of social and cultural information are some of the topics covered in Italian I.

Italian II (4402) (5 credits) Grades 9-12
Prerequisite: Successful completion of Italian I.
In Italian II the aural-lingual approach is used for a thorough review of fundamental sentence structures, pronunciations and oral use of the Italian language. Various structures of Italian grammar are stressed. The ability to read, write and express oneself in Italian is a very important aspect of this program.

Italian II Honors (4412) (5 credits) Grades 9-12

Prerequisite: Minimum grade of 92 in Italian I; teacher recommendation.
This course consists of the aural-lingual approach in a more advanced manner than in college prep Italian II. A thorough review of fundamental sentence structures, grammar, proper pronunciations, and oral proficiency in the Italian language are covered. The ability to read, write, and converse in Italian are vital for success in this course. More rigorous writing and conversational skills will be the norm. This is a GPA weighted class in which students will receive 5 points on their final grade toward their grade point average.

Italian III Honors (4413) (5 credits) Grades 10-12
Prerequisite: Minimum grade of 92 in Italian II or Italian II Honors; teacher recommendation.
This course is intended to serve as an introduction to the advanced and more specialized Italian honor courses. It will introduce the student to Italian culture and literary works in a broad sense, while still offering an opportunity to review structural patterns learned in earlier courses. More advanced grammar, conversation, comprehensive writing, and fluidity in the Italian language will be stressed. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Italian IV Honors (4404) (5 credits) Grades 11-12
Prerequisites: Successful completion of Italian III Honors; Teacher recommendation.
This course consists of review and drill of learned grammar and the presentation of more subtle grammatical constructions. Students will study everyday culture in Italy. More rigorous writing and conversational skills will be the norm. Conversational skills will be emphasized and writing competencies will be stressed through composition, dialogue, poetry, and a research paper. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Spanish

Spanish I (4501) (5 credits) Grades 9-12
Spanish I students learn to recognize, pronounce, and understand the new language. Great stress is placed on proper pronunciation. Fundamentals of language are introduced along with a wealth of social and cultural information concerning Spanish-speaking people. The fundamental teaching techniques are conversation, especially questions and answers, and pattern drills. The structures inherent in the Spanish language are also emphasized.

Spanish II (4502) (5 credits) Grades 9-12

Prerequisite: Successful completion of Spanish I.
This course begins with a thorough review of the fundamentals and the vocabulary taught in Spanish I. The aural-oral approach is used throughout. Reading, comprehension, composition and continuing emphasis on conversation are basic to the course.

Spanish for Native Speakers I (4525) (5 credits) Grades 9-12
Prerequisites: Placement Test; Spanish as their Home Language; Multilingual Learner, Teacher Recommendation
This course is for students whose native or heritage language is Spanish but who are only fluent in speaking it as a "home" language. Students will use their speaking (and listening) fluency to develop their reading and writing skills in Spanish with the purpose of developing academic proficiency in Spanish. Students will study Hispanic geography, history, arts, culture, biography and current events throughout the Spanish-speaking world. Students will be introduced to the study of Spanish language grammar and literacy. Students will participate in both oral and written assignments and projects on a variety of topics. Reading development will look at Spanish-world literature in a variety of genres. Writing development will focus on sentence and paragraph structure with the goal of the completion of a three-paragraph essay.

Spanish for Native Speakers II (4526) (5 credits) Grades 9-12
Prerequisites: Completion of Spanish for Native Speakers I; Placement Test; Spanish as their Home Language; Multilingual Learner, Teacher Recommendation
This course is a continuation for students whose native or heritage language is Spanish but who are only fluent in speaking it as a "home" language. In this developing course of Spanish for Native Speakers, students will use their speaking (and listening) fluency to continue to develop their reading and writing skills in Spanish with the purpose of developing academic proficiency in Spanish. Students will continue to study aspects of Hispanic geography, history, arts, culture, biography and current events throughout the Spanish-speaking world. Students will continue to explore the study of Spanish language grammar and literacy. Students will participate in both oral and written assignments and projects on a variety of topics. Reading development will look at Spanish-world literature in a variety of genres. Writing development will focus on sentence and paragraph structure with the goal of the completion of a five-paragraph expository and/or persuasive essay.

Spanish II Honors (4512) (5 credits) Grades 9-12
Prerequisites: Minimum grade of 92 in Spanish I; teacher recommendation from Spanish I teacher.
This course contains a thorough review of the fundamentals, grammar, and vocabulary taught in Spanish I. A more advanced aural-oral approach is used throughout the semester course. More in-depth and advanced reading, comprehension, composition, and conversation are vital to

success in this course. Students will receive 5 points on their final grade toward their grade point average.

Spanish III Honors (4513) (5 credits) Grades 10-12
Prerequisite: Minimum grade of 92 in Spanish II or Spanish II Honors; teacher recommendation. In Spanish III Honors, students will continue to build extensively in native Spanish vocabulary as well as knowledge of verbs and grammatical structures. There will be a greater emphasis on reading, writing, comprehension, and conversational skills. By the end of the year, students should be able to converse in Spanish well, with proper expression, and be able to write comprehensively. This is a weighted course in which students will earn 5 points on their final GPA. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Spanish IV Honors (4504) (5 credits) Grades 11-12
Prerequisites: Successful completion of Spanish III Honors/ Teacher recommendation.
This course contains a survey of Spanish History and literature. Students will study customs and everyday life in Spain. They will also be expected to develop greater proficiency in the Spanish language, stressing the communicative functions. A comprehensive grammar review is included. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Advanced Placement Spanish Language (4506) (5 credits) Grade 12
Prerequisites: Minimum grade of 90 in Spanish IV Honors; Teacher recommendation.
Students who are taking this course have successfully completed instruction of the language and are ready to challenge themselves in an advanced course. This is an experience equivalent to that of a third-year college course. The course is taught in Spanish and the students are expected to speak in the language as well. Students begin speaking entirely in Spanish during Spanish V Honors and therefore they are aware of this expectation. Students are exposed to experiences to develop the four language skills: reading, writing, listening and speaking using authentic materials. Students are given the opportunity to accelerate their academic careers as they may earn college credit or advanced placement based on individual AP test performance. **Twelfth grade students will be encouraged to participate in the Seal of Biliteracy program and assessment.**

Health and Physical Education (HPE)

- All 9th grade students are required to take Foundations of Wellness I.
- All 10th grade students are required to take Foundations of Wellness II.
- All 11th grade students are required to take HPE III
- 12th grade students have the option to either take HPE IV or select one of the following courses to earn their senior year credits:

★ Hooked on Fishing, Not on Drugs
★ Total Body Conditioning (11th and 12th grade students)
★ Golf from Tee to Green

**Please note that the two electives offered are limited in space and will be filled based on teacher recommendations.*
If not assigned to a chosen elective, students will be placed in HPE IV.

All course offerings require students to participate in fitness assessments, psychomotor skills based assessments, and cognitive motor assessments to monitor student development.

Foundations of Wellness I (7109) (5 credits) Grade: 9
Knowledge of personal fitness and wellness will be explored. The course is designed upon the health related components (cardiovascular endurance, muscular strength, muscular endurance, flexibility and body composition) and skill related components (balance, speed, agility, coordination, power and reaction time) of wellness. Personalized fitness assessments will be used to assess and monitor students' fitness. Written and performance based skill evaluations will also be included. Activities such as team sports, recreational sports, individual and dual sports will be used to create an interest in developing and maintaining physical fitness. Unit activities include: speedball/handball, volleyball, ultimate frisbee, weight training, fitness and cooperative games. Health components will feature human anatomy, growth and development, bullying and harassment, and nutrition.

Foundations of Wellness II (7209) (5 Credits) Grade 10
Prerequisite: Foundations of Wellness I.
The focus of this course is on developing an individual's personal fitness and wellness knowledge and skills. The course is designed upon the health related components (cardiovascular endurance, muscular strength, muscular endurance, flexibility and body composition) and skill related components (balance, speed, agility, coordination, power and reaction time) of wellness. Personalized fitness assessments will be used to assess and monitor

students' fitness. Written and performance based skill evaluations will also be included. Unit activities include: flag football, softball, yoga, basketball, soccer, weight training, fitness and cooperative games. The Health component is Driver's Education and will include the administration of the state licensing exam to all students upon completion of the coursework.

HPE III (7309) (5 Credits) Grade 11

Prerequisite: Foundations of Wellness I & II.

This course is designed to allow students the opportunity to experience activities that will enhance lifetime fitness as well as offer opportunities at advanced fundamentals, techniques and strategies of sport. Sports such as, but not limited to volleyball, basketball, badminton, football and softball; and activities such as walking, jogging and leisure games will be included along with various lifelong fitness techniques such as circuit training. The course will include fitness assessments, written assessments and performance based skill evaluations. Health components will include first aid and emergency response in addition to bullying and harassment, and human anatomy.

HPE IV (7409) (5 Credits) Grade 12

Prerequisite: Foundations of Wellness I & II; HPE III.

This course is focused on allowing students to fully understand and appreciate all previously taught activities that will fulfill lifetime goals of health and fitness; afford opportunities at advanced skill, techniques and strategies of sport; and provide activity in recreational and/or competitive games and sports. The course will include fitness assessments, written assessments and performance based skill evaluations. Health components will focus on human anatomy and nutrition, STD's and STI's, and bullying and harassment.

Hooked on Fishing, Not on Drugs (7680) (5 Credits) Grade 12

Prerequisite: Foundations of Wellness I & II; HPE III.

This class will consist of students learning and understanding the importance of fishing. It will teach students the necessary skills to be a lifelong angler. They will learn proper fishing techniques to implement in the local waters. Instruction/participation will include but not be limited to: freshwater/saltwater ecosystems; proper outdoor ethics and being a good steward of your local environment; respect for themselves and others; how, when and where to cook fish; life skills like preparing and cooking their catch. You will learn about different local/migratory fish and their biology. This class will be outdoors from September-December. Students must have the ability to dress properly for cold/poor weather conditions. This course will provide teenagers with fishing skills as an alternative for tobacco, alcohol, drug use and abuse. We will work closely with the NJDEP Hooked-On-Fishing, Not on Drugs program. It will include the United States Coast Guard to administer a Boating Safety class, which will allow the students to

obtain their Boating License. We will also involve Brick EMS to allow the students to receive their CPR/First Aid Certifications.

Golf from Tee to Green (7681) (5 Credits) Grade 12

Prerequisite: Foundations of Wellness I & II; HPE III.

This class will provide students the opportunity to develop and improve their golf game. We will work on the necessary skills needed to be successful in the game of golf. Students will learn the proper techniques for hitting a golf ball (grip, stance, alignment). We will break down the different types of shots in golf and apply them in a practical setting. The class will be taken off campus to different golf facilities in the area for instruction. Lastly, students will learn about the history of the sport, rules, and etiquette for the game of golf. We will also have guest speakers come in and talk to the class about the different aspects of golf (PGA professionals, Director of Golf Operations, Golf Superintendents). Also, we will incorporate cross-curriculum with science and business classes within our school. We will analyze the golf swing and take a look at the day to day operations of running a golf course. We hope to grow the game of golf through this class and provide a lifetime of activity for all ages and skill levels.

Lifetime Sports (7669Q) (5 credits) Grade: 11-12

Prerequisite: Foundations of Wellness I & II; HPE III.

Lifetime Sports is a comprehensive high school physical education course designed to expose students to a variety of recreational and fitness activities that encourage lifelong participation in physical activity and overall wellness. The course focuses on developing the fundamental skills, techniques, rules, and strategies necessary for successful participation in individual and dual sports and recreational activities. Through activities such as pickleball, tennis, badminton, golf, walking and fitness programs, and other leisure-based sports, students will build confidence, improve physical fitness, and gain an appreciation for maintaining an active lifestyle.

In addition to physical skill development, the course emphasizes important life skills including teamwork, communication, cooperation, sportsmanship, leadership, and goal setting. Students will learn how regular physical activity contributes to physical, mental, and emotional well-being while exploring ways to incorporate fitness and recreation into their daily lives beyond high school. The course promotes personal responsibility, healthy decision-making, and the development of positive habits that support lifelong health and wellness.

Health and Physical Education - Adapted (0060) (5 Credits) Grade: 9-12

Prerequisite: Eligibility based on determination made by the Child Study Team, School Nurse, and Building Administration.

This course offers identified students with adaptive fitness and health related activities. The program will include a variety of development activities, games, sports, and rhythms appropriate to the interests, capabilities and adaptive needs of the student.

College and Career Readiness

Robotics I (5100) (5 credits) Grades 9-12

This is an introductory course exposing students to some of the major concepts they'll encounter in a pre-engineering robotics class. Students will have an opportunity to investigate robotic industries and careers. They will employ engineering and scientific concepts building robots and models. They will develop beginning programming, engineering and 3D CAD skills.

Robotics II (5102) (5 credits) Grades 10-12

Prerequisite: Robotics I

This course exposes students to some of the major concepts they'll encounter in a mechanical engineering course of study. Students will explore topics in engineering, electronics and programming. Students will have the opportunity to investigate robotics and high-tech careers. They will employ engineering and scientific concepts in the solution of robotic design. They will develop problem-solving skills and apply their knowledge to create results to various challenges using higher-level programming and 3D CAD. In addition, they will document their work and create engineering notebooks and presentations.

STEM Intro to Engineering Honors (5600) (5 credits)

Grade 9 STEM ACADEMY STUDENTS ONLY

The Brick Township Public Schools STEM Academy is designed to provide an educational experience that emphasizes the study of Science, Technology, Engineering and Mathematics. This course will focus on various fields of engineering at an introductory level. Students will use the engineering design process to develop effective solutions to real world engineering scenarios. In addition to material processing, students will gain experience in sketching, basic CAD modeling, product design and presentation techniques.

Engineering and Design Thinking (5 credits)

This is an introductory course designed to give students the necessary skills for engineering/design career specialties. It will provide students with an environment to innovate, build, and genuinely engage in the engineering process. This course emphasizes hands-on learning, creativity, and collaboration. Students conduct research, develop and test design solutions, and strengthen their ability to communicate effectively and work productively within a team. The program encourages thoughtful risk-taking, authentic problem-solving, and the development of a design-thinking mindset that prepares them for advanced STEM pathways and real-world challenges beyond the classroom.

STEM Robotics Honors (5601) (5 credits)
Grade 10 STEM ACADEMY STUDENTS ONLY
This course will build upon the skills developed in the Intro to Engineering course. Students will once again be tasked with using the engineering design process to develop solutions to real world problems. Students will utilize Lego NXT systems, technical drawing, and advanced CAD processes to create realistic and functional devices to evaluate their designs.

Teaching Students to Teach (9208) (5 Credits) Grades 11-12
This course is designed for students who wish to pursue a career in education.
Throughout the course, students create and deliver lesson plans, observe teachers, learn and debate current issues in education, and gain general experience in the field of teaching.

Family and Consumer Science (5101) (5 credits) Grades 9-12
This course is a comprehensive class designed to prepare students for family life, work life and a possible career choice. Its goal is to help students learn about themselves and develop the life management skills they will need as they gain independence. It provides basic information in the areas of personal development, healthy relationships, handling stress, health and nutrition, wardrobe care including sewing and fashion production, and food safety and cooking techniques. A variety of creative and visual products related to these areas will be included.

Fashion and Interior Design (5104) (5 credits) Grades 9-12
Interior and Fashion Design will provide experiences that will help students make effective consumer choices now and in the future. This course will explore the physical and psychological needs that housing satisfies. The students will develop design, artistic, and technological skills in planning for form, color, and function of the home and clothing. The course will examine clothing production in the areas of preparation of clothing construction, basic clothing techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities.

Culinary Arts I (5105) (5 credits) Grades 10-12
Culinary Arts I will promote an awareness of creative and technical skills required in the preparation and serving of various foods. Preparation and presentation will be developed with an emphasis on organization, decision-making, timing, cooperation and appropriate traditions. This course will explore the student's creativity and develop a more informed consumer.

Culinary Arts II (5106) (5 credits) Grades 10-12
Prerequisite: Successful completion of Culinary Arts I.
Culinary Arts II will promote an increased awareness of creative and technological skills required in the preparation and presentation of various foods. The student will plan and execute creative

meals developing a broadened understanding of the nutritional, cultural, and design aspect of foods.

Nutrition and Wellness (5109) (5 credits) Grade 9-12

This program is designed to provide students an opportunity to apply basic nutrition to today's changing dietary needs. A focus on athletic goals, wellness, nutritional needs and health related concepts will be explored. Alternate eating options, food-related disorders and dieting basics will be closely examined. Students will plan and/or prepare healthy meals in an effort to achieve good fitness and nutritional practices.

Woodworking (5201) (5 credits) Grades 9-12
The course will allow students to develop and apply problem solving skills to original and creative design projects. The students will move through drawing and woodcraft areas. The students will be provided the opportunity to use their creative abilities in the design and development of student generated projects and ideas. Special emphasis will be placed on understanding technology, construction methods, and material usage.

Creative Woodworking and Stagecraft (5203) (5 credits) Grades 10 -12
Prerequisite: Grade of 80 or better in Woodworking
This course will provide students with the opportunity to expand their knowledge and creative abilities in the areas of design while working with various materials and products as they design, plan, and build sets and props for their school's theatrical productions. All students will develop artistic and technological skills of designing, planning and construction of student generated products in the areas of plastics, carving, woodturning, laminating, sculpture, furniture design and others.

Drafting and Architectural Design (5300) (5 credits) Grades 9-12
This is an introductory course designed to give students the necessary skills for engineering/design career specialties. Students start with basic drafting procedures and techniques coupled with a general exploration of fields of study in Architectural Design and Drafting. The development of ideas and visual illustrations will be the main focuses of course work. This course is designed to develop basic drafting skills and computer drafting techniques with the Computer Aided Drafting System, CAD. This course is recommended for students considering careers in engineering, architecture or design.

Advanced AutoCAD (5302) (5 credits) Grades 10-12
Prerequisite: Drafting and Architectural Design.
This course will build upon the skills developed in the introductory Technical Drafting course. The students will develop and strengthen their technical skills, develop their ability to visualize in three dimensions, think precisely and read/write the language of industry and design. Advanced problem solving utilizing the Computer Aided Drafting System, CAD, will be a major point of emphasis.

Electricity and Electronics (5400) (5 credits) Grades 9-12
This is an introductory course designed to acquaint the student with the field of electricity and electronics. Particular attention will be given to the fundamentals of electricity, methods of making electricity, and the effects of electricity flowing in simple circuits, wiring basic circuits and following schematic diagrams. The major emphasis of this course will be placed on the theory with appropriate experiments using test equipment. For electronics particular attention

will be given to the basic concepts of electricity necessary for an understanding of electronics. Resistance, inductance, capacitance, use of test equipment and electronic component operations will be emphasized. Additional emphasis will be placed on career opportunities in electronics and related fields.

STEM Lab Honors (5602) (2.5 credits) Grades 9-12 STEM ACADEMY STUDENTS ONLY
Under the guidance of the STEM Coordinator, this course is intended to provide an opportunity for STEM Academy students to collaborate with their peers in completing their grade-level capstone projects. Guest speakers will be invited to present about current trends in STEM fields and industry. Capstone project ideas include: NJ Sustainable Schools, Community Outreach, Technology Student Association and a STEM Pathway Proposal. A digital portfolio will be created to capture students' achievements in inquiry, design and problem solving skills. Students will have an opportunity to present their yearly capstone projects and portfolios at an end-of-year culminating event.

Business

Financial Literacy (7050) (5 credits) Grades 10-12
This course is a graduation requirement. This introductory course will expose students to the major segments of the financial environment. Students will take on the role of consumers and engage in a wide array of personal
finance and business experiences such as understanding income, checking and saving accounts, buying wisely, pitfalls related to credit, and investing and establishing a financial plan to accomplish goals. Students will also learn about topics related to work, such as employee benefits and taxes.

Accounting I (1103) (5 credits) Grades 9-12
This course looks at how a service business uses accounting procedures to stay organized. It focuses on analyzing and recording different business transactions, and the presentation of financial statements. Each student will develop fundamental skills in learning to design and maintain both a manual and computerized accounting system for a service business. Students will become familiar with the use of Microsoft Excel and QuickBooks. A MUST for students who are interested in a career in business.
Note: This course will fulfill the state mandated Financial Literacy requirements for graduation.

Accounting II (1104) (5 credits) Grades 10-12
Prerequisite: Successful completion of Accounting I.
This course will expand on the material learned in Accounting I. Students will take what they have previously learned about accounting for a service business and apply it to accounting methods for a merchandising business. Each student will learn how to maintain new financial statements and accounts as well as continue to maintain the ones learned in Accounting I. Students will become familiar with the use of Microsoft Excel and QuickBooks. A MUST for college bound students who are thinking about majoring in Accounting.

Accounting III (1106) (5 credits) Grades 10-12
Prerequisite: Successful completion of Accounting II.
This course will delve deeper into the analyzing and recording of business transactions, and the presentation of financial statements for a merchandising business. Students will be looking at publicly held corporations and learn how to account for new items like short-term investments, notes receivables, intangible assets, and stockholders equity. Each student will learn how to maintain the new accounts and new financial statements as well as continue to maintain the

ones learned in Accounting II. Students will become proficient with the use of Microsoft Excel and QuickBooks. A MUST for college bound students who are planning on majoring in Accounting.

Office Productivity Applications (1201) (5 credits) Grades 9-12
Students will apply the concepts and applications of computer software using Microsoft Windows, Microsoft Office (Word, Excel, and PowerPoint), and Google Apps (Docs, Sheets, Slides, Drive). These applications will allow students to develop advanced levels of: document layout and formatting, data processing and interpretation, and critical thinking skills. Business communication skills will be reinforced through projects and presentations. Keyboarding techniques, touch-typing and posture will also be taught and enforced.

Sports and Entertainment Marketing (1205) (5 credits) Grades 9-12
This is a specialized course which will help students develop a thorough understanding of the marketing concepts and theories that apply to the sports and entertainment industries. The course topics will include basic marketing, target marketing and segmentation, event marketing, promotions, sponsorship proposals, and marketing plans. This course will also include components of promotion plans, sponsorships and the key elements needed in sports and entertainment marketing plans. Simulation software will be used for hands-on experience. Entry-level skills for a career in the sports and/or entertainment field will be developed.

Entrepreneurship (1206) (5 credits) Grades 9-12
Want to find out what it takes to run a business? Look no further than Entrepreneurship class. Students will be split up into groups where they will begin the process of running a business from start to finish. From creating a logo, to making a business plan, this course runs through all aspects of running a company. This course also includes commercials, advertisements, business cards and even a project that has students invent and sell a product.

Business Website Development and Design (1209) (5 credits) Grades 9-12
Have creative fun while learning a highly marketable skill. Develop expertise with a variety of digital media in order to create multimedia web-sites. Multimedia combines graphics, sound, animation, and video with computer generated projects. Microsoft Frontpage, Macromedia Dreamweaver, and HTML tags will be used to plan and create sites. Adobe Dreamweaver, and HTML tags will be used to plan and create sites. Adobe Photoshop and Illustrator will be used to enhance graphics. Students will learn proper use of the internet, how to evaluate sources, to understand copyright law and to download files needed for assignments.

Law for Business and Personal Use (1304) (5 credits) Grades 9-12
Students will discover how law affects their life in a personal, business, and professional setting through this overview of our legal system and the legal principles that governing the conduct of business. Special consideration will be given to law of contracts, buying and selling goods, consumer protection, consumer rights, and Internet law in the American marketplace. Students will be responsible for research, interpretation, and visual presentation of topics discussed, and will demonstrate knowledge of the process of critique through performing in a mock trial.

Introduction to Marketing (1402) (5 credits) Grades 9-12
Have you ever seen an advertisement and felt the urge to go buy the product, or noticed the "relevant to you" ads on social media sites? Intro to Marketing will explain the why of all this and much more. You will look at the trends in marketing including: green marketing, marketing with social media, e-marketing and global marketing using hands on activities and projects.

Introduction to Business (1407) (5 credits) Grades 9-12
Are you curious about the world of business? Then this is the right class for you. We will look at a lot of basic business principles throughout the semester. You will learn what goes on behind the scenes of operating a business using hands on activities and projects. Some of the topics covered include; the economy, owning and operating a business, marketing, human resources, buying goods and services, and technology in the workforce. **Note: This course will fulfill the state mandated Financial Literacy requirements for graduation.**

Introduction to Business - 1407DE (High School 5 Credits) Dual Enrollment for OCC
Introduction to Business - BUSN 131 (OCC 3 Credits)
A thorough survey of the activities that make up the field of business. Emphasis is placed on such topics as ownership, management, organization, purchasing, marketing, production, personnel, finance and government regulations. Industry's societal responsibilities relating to pollution, minorities and ethical practices are explored. There is a cost associated with this class.

AP Business with Personal Finance (1408) (5 Credits) Grades 9-12
AP Business with Personal Finance is an introductory, college-level course that integrates core business concepts with essential personal finance skills. Students explore major business disciplines—including entrepreneurship, marketing, finance, accounting, and management—through real-world applications, case studies, and project-based learning. This course fully incorporates the National Standards for Personal Financial Education, developed by the Council for Economic Education and the Jumpstart Coalition for Personal Financial Literacy. Topics include budgeting, saving, investing, credit management, taxes, career planning, and financial decision-making.

Career and Leadership Development (1404) (5 credits) Grades 11-12
Knowing and understanding yourself is probably the most important subject to learn. Students will be guided to assess their interests, values and abilities through various personality evaluation measures. Students will use these measures combined with various leadership techniques to decide what type of leader they are. Students will then be able to access computerized career software to identify careers that match their personality. Areas covered include goal setting, self-management, time management, public speaking, human relations, resume writing and interviewing, and leadership skills. Profiles and characteristics of business and world leaders will be examined.

MoneySkill (2.5 Credits) *Pass/Fail Online Course* Grades 11-12
This course is an online, self-paced course that students may complete during their junior or senior year. Moneyskill may also be completed the summer prior to senior year. The course content and interactive modules align with national K-12 financial literacy standards and are available in English or Spanish. The curriculum covers a broad range of personal finance topics relevant to real-world experiences, such as buying a car, obtaining student loans, using a checking account, tracking expenses and budgeting.
Note: This course will fulfill the state mandated Financial Literacy requirements for graduation. Other courses that fulfill this requirement include; Introduction to Business, Accounting I, AP Macroeconomics and AP Microeconomics.

Senior Seminar (1405) (5 credits) Grades 12
Prerequisites: Valid NJ driver's license, and vehicle for daily use. Required: Student letter of interest/Teacher and Administrative Approval. Not sure what to major in at college? This course will help you make that important decision by offering a job shadowing/mentor experience in a field you are interested in before going to college. Seniors will participate in a community service learning arrangement set up by the Seminar teacher. There are ten domains to choose from: Business, Education, Graphic Arts, Health Field, Interior Design, Law, Law Enforcement, Marketing, Municipality, and Veterinary Medicine. Students will job shadow 5 hours per week and will meet twice a month as a class to discuss experiences and hand in required assignments. Students will demonstrate their accumulated experience by performing a culminating multimedia presentation. Some domains have limited openings so apply early!

Computer Science

Exploring Computer Science (6604) (5 credits) Grades 9-12
Recommendation: 700+ on NJSLA or successful completion of Geometry. This course is designed to introduce programming, gaming and App development to beginners. Programming concepts will be introduced using ALICE, a 3-D application designed by Carnegie Mellon University. Additional topics include: an introduction to the Python Programming language, game development using PyGame, and Android App development using App-Inventor (designed by MIT). Students wishing to continue with programming should take Java: Computer Programming as their next computer science course.

Java: Computer Programming (6605) (5 credits) Grades 10-12
Prerequisite: A minimum grade of 85 in Algebra I or Exploring Computer Science. Students will learn to design programs using Java. They will use modern technology to solve problems and to study, analyze, and practice structured program design. The course will provide students with a strong foundation of structured programming while introducing them to concepts of object-oriented programming. College-bound students interested in engineering, science and mathematics will be required to take a similar course in college. All students wishing to major in any computer related field should take computer programming. This class is a prerequisite for the Advanced Placement Computer Science course.

Computer Programming for Engineers Honors (6605S) (5 credits)
Grades 11-12 STEM ACADEMY STUDENTS ONLY
Students will learn to design programs using Java. They will use modern technology to solve problems and to study, analyze, and practice structured program design. The course will provide students with a strong foundation of structured programming while introducing them to concepts of object-oriented programming. It will specifically equip students with the necessary technical skills required to pursue a career in a STEM field. This class is a prerequisite for the Advanced Placement Computer Science course.

Additional Topics in Computer Programming (6606) (5 credits) Grades 11-12
Prerequisite: Successful completion of Java: Computer Programming.
This course is designed to cover advanced Java: arrays, arraylists, inheritance, polymorphism, file I/O, lists, stacks, trees, and GUI (graphical user interfaces). A study of the programming language Python will also be included. This course is independent of the Advanced Placement Computer Science: Java course, and may be taken concurrently.

Advanced Placement Computer Science (6507) (5 credits) Grades 11-12
Prerequisite: Academic excellence; minimum grade of 92 in Java; Computer Programming. AP Computer Science: Java follows the College Entrance Exam Board's described curriculum in computer science. The course utilizes the Java Language. Students who successfully complete the course may sit for the Advanced Placement examination for possible college credits. In this course, students will expand their knowledge of topics from Java: Computer Programming and use this basis to create new class structures.

AP Cybersecurity (6508) (5 Credits) Grades 10-12

AP Cybersecurity provides a broad, foundational introduction to cybersecurity, closely aligned with the standard first-year college curriculum in this field. Students learn about common cyber threats, vulnerabilities, and risks, as well as effective methods for risk management and mitigation. The course includes in-depth study across domains such as: Physical security, Network and systems security, Device and endpoint protection, Data and application security, Detection and response strategies. Students also examine the impact of cybersecurity issues on individuals, organizations, governments, and societies.

Visual and Performing Arts

Visual Arts

Art I (3101) (5 credits) Grades 9-12
Art I introduces the student to fine arts by allowing them to have hands-on experience with two- and three-dimensional art. Using a variety of subject matter and artistic media, students will explore the elements and principles of design, basic concepts in drawing and design, color theory, painting and mixed media. Students will apply these concepts in the study of three-dimensional design and application using various media and techniques. Students will also be introduced to and develop knowledge and skills in art history, aesthetics and criticism.

Art II (3102) (5 credits) Grades 10-12
Prerequisite: A grade of 75 in Art I.
This course is designed as an intermediate level course with an emphasis on advanced problems dealing with the elements and principles of design, figure and portrait drawing, rendering skills, compositional problems, organizing space, manipulation of media, art history and career awareness. A variety of techniques will be used to expose students to more upper level art production. A three-dimensional component will also be explored which will allow students to broaden their previous experience with various 3-dimensional techniques and methods. Students will continue to develop their knowledge and skills in art history, aesthetics and criticism.

Art III (3103) (5 credits) Grades 10-12
Prerequisite: A grade of 75 in Art II
This course is an advanced level which builds on the basic theories and techniques presented in Foundations of Art and Intermediate Art. Students will be given the opportunity to build on producing a body of work necessary for a portfolio. Good presentation skills will be emphasized as well as the development of personal style.

Art IV Honors (3104) (5 credits) Grades 11-12
Prerequisites: A grade of 75 in Art I, Art II and Art III or teacher approval
This course is designed for students who wish to pursue the study of art after high school. A comprehensive portfolio will be developed in accordance with the interests of the individual student and an emphasis on specialization in certain techniques and/or media usage. Specialization areas may include drawing, design, painting, printmaking, illustration, sculpture and craft.

Creative Media Design (3117) Grades 9-12

This course will be a 20 week comprehensive introduction to the basics of digital art exploring the digital disciplines of Graphic Design and Photography. The students will spend 10 weeks in each discipline learning the basics of each.

- Graphic Design will consist of the students gaining practical experience using the latest industry software as a medium to create digital images while applying the principles of art.
- Photography will consist of the students gaining practical experience in the area of operation of a digital camera, image composition, and basic editing using the latest industry standard software

Graphic Design (3114) (5 credits) Grades 9-12

Prerequisite: Creative Media Design

This course will introduce the fundamental practices and processes of graphic design: how to create visual content to communicate messages. Through a series of exercises based on printed media, students will gain an understanding of line, shape, color, and form and how they apply to design. Diverse graphic forms and methods like visual hierarchy and typography will be explored. Students will apply the contents of the lectures through in-class assignments, large projects, and critiques.

Digital Illustration (3112) (5 credits) Grades 10-12

Prerequisite: Graphic Design

This course is for the student who wants to continue their education in graphic design and illustration. Students will explore Adobe Illustrator by learning applications of the technology program to communicate visual ideas. This course will enable students to further develop their imaginations, artistic sensibility, perceptions, emotions and thoughts through class discussions, lectures and demonstrations. Students will be educated in corporate identity and art terminology. This course is designed to help students build a portfolio, making them more competitive when entering college.

Photography I (3107) (5 credits) Grades 10-12

Prerequisite: Art I (Only for the 26-27 School Year) or Creative Media Design

The principles of basic digital photography are studied in this course. The student gains practical experience in the area of operation of a digital camera, scanning and basic manipulation and printing. Once these technical issues are addressed, the focus of the course

will shift to aesthetic, artistic, and ethical considerations in photography. The course will explore various approaches to photography as applied to photojournalism, documentation and fine art. The students will explore Adobe Photoshop and the vast possibilities of the computer.

Photography II (3108) (5 credits) Grades 10-12

Prerequisite: Grade of 85 in Photography.

Photography II will be modeled from AP Art and include three separate portfolios due upon course completion. The Concentration Portfolio will ask students to focus their work around one major theme. The Breadth Portfolio is designed for photographers to go outside their normal subject and style and explore various mediums. The final portfolio will include quality pieces from the entire year's shooting. Weekly instruction will be given that revolves around camera usage, imaging, and art history connections. Each portfolio must include 12 matted prints suitable for college review.

Advanced Photography Portfolio (3011) (5 credits) Grade 11 & 12
Prerequisite: Grade of 85 or better in Photography II.
The Photography III Thesis is the culmination and final expression of a student's high school art experience. It encompasses an advanced understanding and appreciation of art and its processes, techniques, media, and history. Each student seeks to achieve authentic self-expression through a self-designed and independent visual photography project.

Ceramics (3110) (5 credits) Grades 10-12
Prerequisite: Art I
This course is designed to give students a diversified experience in ceramics. Students will design and construct various hand-built projects using the coil, drape, slab, and pinch methods. Time may also be provided for developing throwing skills on the potter's wheel. The students will become involved in the glazing, decorating, and firing of their wares.

Ceramics II (3210) (5 credits) Grades 11 -12
Prerequisite: Grade of 85 or better in Ceramics I.
This course is for students who want to continue working with clay in a sculptural and functional way and will build upon and expand the knowledge and skills gained in Ceramics. More in depth handbuilding and wheel throwing techniques will be explored and practiced. New surface design techniques will be introduced. Inspiration from contemporary and historical ceramic artists will be introduced as well as the cultural significance of ceramics in history. Ceramics II students observe, think creatively and technically, and make decisions thoughtfully and reflectively.

Mural Making: The Power of Public Art to Inspire Collaboration and Unite Community (3116) (5 Credits) Grades 10-12
Prerequisite: Completion of Art II or painting portfolio at teacher's discretion
This Visual Arts class will examine the artistic, societal, and cultural significance of mural-making and other forms of public art to unite the community and encourage collaboration. This course will explore an array of components relevant to mural production including concept design, hands-on development, site selection, surface preparation, application techniques, color theory, color mixing, historical references, and more. There will be an emphasis on service to the community, developing mural proposals as a form of public visual communication and dynamic interaction with student groups aimed toward bringing murals to completion in school and potentially throughout the community.

Art History - 3700DE (High School 5 Credits) Dual Enrollment for OCC Art History - ARTS 181 (OCC 3 Credits)

This course is a survey of the visual arts, focusing on sculpture, painting and architecture from the Prehistoric era through the Gothic era. Students will explore the motivations, motifs, and vocabulary of art within its physical and socio-historical context. Emphasis will be placed on identification of works and their association with their time period, culture and subsequent characteristics.. There is a cost associated with this class.

Advanced Placement Studio Art: 2-D Design (3105) (5 credits) Grades 11-12

Prerequisites: Successful completion of Art III or Art IV Honors OR Teacher approval. Advanced Placement 2-D Design is a nationwide program that lays framework for the college level student. Designed around three main portfolios, AP Art creates a year- long focus for the high school artist and allows for growth in work quantity, work quality, aesthetics, and knowledge. Quality, Concentration and Breath are the three main components to which each student will build a body of work to be submitted to the College Board for approval and credit. Student focus is built continuously on work that not only follows an artist's signature style but also ties into a central theme or purpose. The finished AP Portfolio will aid in college admission while also providing the tools needed to succeed at the next level of their education.

Advanced Placement Studio Art: Drawing Portfolio (3113) (5 Credits) Grades 11-12

Prerequisite: Successful completion of Art II or Honors Art; Portfolio review/teacher approval. This course will provide students the opportunity to engage in a rigorous exploration of fine art that is congruent to the traditional art studio courses already offered (i.e. Foundations of Art; Intermediate Art and Advanced Art). Students enrolled in this course will further deepen their visual and manual skills in the art of drawing (including painting, printmaking, and mixed media) that most college art departments hold as a standard to admissions criteria. This course will culminate with a portfolio of artwork, accomplished by the student, which will be submitted to and judged by the AP board.

Digital Media Production

Digital Media Production (Formally known as TV Production) (3131) (5 credits) Grades 9-12
This entry-level course is designed to give students practical experience in every facet of mass media production. Producing, writing, acting, and directing will be covered. Students will work in the school's television studio. Technical communication skills will be emphasized for successful broadcast performances related to the mass media industry. Career opportunities will be investigated.

Morning Announcements Production (3134) (5 Credits) Grades 9-12
Prerequisite: Digital Media Production
The course is designed to engage students in the daily production of morning announcements. This will be an intensive studio production experience as well as gaining Electronic News, Gathering skills, and learning to apply more advanced techniques to "spice up" the newscast.

Advanced Digital Media Production (3132) (5 credits) Grades 10-12
Prerequisite: Digital Media Production
This is an advanced course in the techniques of video production. Students will participate in producing, writing, and directing projects in the school's television studio. Electronic field production for the district sports and news show are required. Students will also produce elements for the daily morning announcements, which are streamed live to the school. Students should be willing to devote time above and beyond the regular school day to fulfill the performance requirements of this course. Technical and communication skills will be emphasized for successful broadcast performances related to the mass media industry.

Music

Band (3200) (10 credits) Full Year, Grades 9-12
Prerequisites: Students should have a basic playing knowledge of a band instrument or a serious and genuine desire to learn to play a band instrument. This course is designed to give beginning to intermediate band student musicians the opportunity to improve their individual musicianship through the enjoyment and understanding of ensemble playing. The students will become proficient in the following areas, but not limited to ensemble performance, music appreciation, individuality, the critique process, personal musical expression and basic musicianship. **This is a full year, performance-oriented class. Performances include at least two formal concerts, one in the fall semester and one in the spring semester. Performance at concert band festivals may also occur.**

Honors Band (3300) (10 credits) Full Year, Grades 10-12
Prerequisite: Teacher recommendation. Honors band ensemble is a course for advanced instrumental students. It is designed to provide a high level musical experience. Along with their own daily practice students are required to attend extra rehearsals scheduled by the director. **This is a full year, performance-oriented class. Performances include at least two formal concerts, one in the fall semester and one in the spring semester. Performance at concert band festivals may also occur.**

Honors Jazz Band (3201) Grades 9 -12
Prerequisites: Students should have a basic playing knowledge of an instrument or a serious and genuine desire to learn to play an instrument.
This course exposes students to various styles of music within the jazz idiom, such as swing, bebop, latin, funk, rock, and contemporary compositions. Musicians follow a course of study that includes jazz history, theory, and improvisation skills. Jazz band is different from concert band in its variety of instruments: piano and string instruments such as guitar and bass guitar are included with the traditional band instruments of brass, woodwinds and percussion.

Chorus (3400) (10 credits) Full Year, Grades 9-12
Chorus is a full year music elective open to all students in grades 9-12. The chorus studies and sings a great variety of music from various periods of music literature. **Chorus is a performance-based course; therefore students must participate in extra dress rehearsals and performances for a grade.** Chorus members will learn to read music and be able to sing individually and in groups for evaluation and voice placement. This course may be taken more than once for credit.

Music Theory (3401) (5 credits) Grades 9-12
This course is designed to acquaint the student with the mechanics of music. Included is the study of all rhythmic patterns and meters, and all major and minor scales. It includes the writing of material, ear training, and dictation. The course is designed to teach the basic rudiments of musical structure and their application in the composition of music. Included will be the study and construction of harmonic chords and progressors.

Vocal Techniques (3403) (5 credits) Grades 9-12
This course is designed to develop basic techniques of vocal production. Included are the study of proper tone production, breathing, sight-reading, and the interpretation of vocal music. Development of solo and group singing styles will be the focus. Performance opportunities will be available. This course may be taken more than once for credit.

Music Technology (3404) (5 credits) Grades 9-12
This course will explore the technology used in the creation of today's music, recording, and sound production. Students will explore the basic tools used for various areas of electronic music creation, recording, editing, and sound creation. Possible projects include podcasts, sound effects for various media, and production of electronic music. **This course is designed for the many students who are interested in music and sound production but not necessarily interested in being in the performance ensemble classes.**

Honors Chorus (3405) (10 credits) Full Year, Grades 10-12
Prerequisite: Successful completion of chorus.
Honors Chorus is a course for advanced vocal students. It is designed to provide a high level musical experience. Students will be required to attend extra rehearsals in addition to their own daily practice. Participation and performance in concerts, and festivals is required.

Advanced Placement Music Theory (3410) (5 credits) Grades 10-12
Prerequisite: Grade of 85 in Theory of Music Teacher approval.
This is an advanced college level course, which follows the curriculum established by the College Board. This is a very intense program that requires advanced level skills in music theory.

Theater

Acting I (3501) (5 credits) Grades 9-12
This course is designed for the beginner. It gives students the opportunity to learn and practice the foundations of acting as well as various phases and elements to develop a character. The students will participate in various character development exercises that explore the history of contemporary theatre.

Acting II (3502) (5 credits) Grades 10-12
Prerequisite: Acting I
This course is designed for the beginner/intermediate acting student. It is designed to expose the students to various acting techniques. The class is performance based, focusing on scene study and overall character development as it pertains to the actors' role. The students will participate in improvisations, theatre games and will perform an end of the semester monologue. This course will also explore the history of contemporary theatre.

Acting III (3503) (5 credits) Grades 10-12
Prerequisite: Acting II
This course is for the advanced acting student. It is designed to expose the actors to a higher level of acting training incorporating various acting techniques derived from Stanislavsky, Meisner & Hagan. The class is highly performance based focusing on scene study and overall character development as it pertains to the actors' role in a full length production.

History of Broadway Theatre (3504) (5 Credits) Grades 9-12
This course is designed for the student to understand the implications of the historical and cultural development of Broadway Theatre from the 1920¿s to present-day Broadway productions. The class identifies the origins and developments and the impacts of American Theatre. The course explores the careers of major Broadway directors, choreographers, composers and producers as well as the theatres the performances were held. **This course is designed for the many students who are interested in theater arts but not necessarily interested in being in the performance ensemble classes.**

Dance

Dance I (3601) (5 Credits) Grades 9-12
This dance course is about having fun and learning about the art of dance! Students who have no to little previous experience would find themselves comfortable in this course, as well as the

experienced dancer. The goal is to familiarize students with some of the many aspects of dance. The level of exercise in this course is basic and knowledge and understanding of vocabulary is stressed. This introductory study of dance will likely include: theatrics, jazz, ballet, modern, hip-hop and principles of creative movement, improvisation and composition. This course will also include a brief study of the dancers' body and how dance can be used as a means of mindfulness.

Dance II (3602) (5 Credits) Grades 9-12

Students interested in this course should have taken Dance I prior to this course.This course will continue to teach principles of modern, ballet, and jazz technique and focus on vocabulary and its execution. The goal is to build and strengthen student dancers to further develop their training of modern, ballet, and jazz and help them to express themselves. The exercises in the course are at the intermediate/advanced level. Students are expected to retain phrases of movement and to begin to understand the concepts of musicality and phrasing. At this level, students will be expected to have enough knowledge of basic modern, ballet, and jazz vocabulary to understand and perform phrases with minimal demonstration, and to be able to put together phrases on their own. An understanding of a dance history component will also be expected.

Dance III (3603) (5 Credits) Grades 10-12

Students interested in this course should have taken Dance I prior to this course. This course will teach principles of dance technique and is meant to be focused on student creativity. The goal is to familiarize students with the many aspects of the dance language and the elements of choreography. The level of exercises in this course will require intermediate level movement. This introductory study of dance will include: principles of creative movement, improvisation and composition, and student based choreography. This course will also include a brief study of the dancer's body and its aesthetics.

Additional Offerings

Air Force Junior ROTC

AFJROTC I (9501) (5 credits)
AFJROTC II (9502) (5 credits)
AFJROTC III (9503) (5 credits)
AFJROTC IV (9504) (5 credits)

The Air Force Junior ROTC program offers a challenging academic schedule augmented by many curricular and extracurricular activities such as field trips and social events. The first three years of the program concentrate on the history and development of aviation and spaceflight; the theory and fundamentals of aviation and spaceflight; practical application of theory through the design and instruction of models; careers in aviation; and leadership development. Academic achievement, citizenship, discipline, and self-respect are stressed. The fourth year includes topics that stress the role of today's military in world affairs, general management principles, and career planning. This is a program that should be considered by every student. The organizational and leadership skills developed extend to all disciplines. There are numerous scholarship opportunities for college bound students who are considering service in the military.

JROTC HONORS I - Management of the Corps - Research Paper

Leading and Managing individual and group behavior deals with theories of motivation. The challenges of managing a diverse cadet unit, and how varying learning styles affect motivation is the main focus of the research project cadets will explore during this course. A deliberate plan of the evaluation process is essential to unit success and supports unbiased judgment of others, how to constructively evaluate subordinates, and the process of delivering written evaluations. This course concludes with a look at managing conflict— including the contrast between people who are difficult versus those who are merely different—and suggests useful ways to deal with difficult people. Students must deliver a major research project with a written report (minimum 20 pages) and formal presentation to a panel of faculty/unit team members. The project may be a research paper or scientific analysis with a written summary and personal reflections. Students for this advanced leadership course serve as members of the JROTC cadet senior staff together with cadets approved for the standard Cadet Staff Leadership and Management course.

This hands-on experience affords students the opportunity to apply leadership and management lessons from previous JROTC courses. Students are expected to maintain a high level of performance in personal fitness, military bearing, and uniform wear.

JROTC HONORS II - Management of the Cadet Corps - Senior Project

Students in this honors option are required to select and manage a self selected project for the school which will have a lasting and meaningful impact for years to come. They must also establish a leadership journal or personal portfolio. Students will conduct long and short-range planning, exercise decision-making, coordination, control and execution of cadet organization activities during the school year. Students are expected to apply higher-level leadership, organizational, communication, and personal interaction skills in the performance of their duties.

Students are also assigned specific functional areas of responsibility and are expected to perform their duties/responsibilities in addition to mentoring and leading other members of the organization. Students who are approved for this course are expected to occasionally be available at times in excess of daily classes (i.e. before/after school meetings, weekend trips/activities, etc.).

Please see the OCVTS website for a complete list of offerings and information: www.ocvts.org

Ocean County Vocational Technical School (0100) (20 credits) Grades 11-12

Students who attend OCVTS are juniors and/or seniors interested in pursuing a career-focused program that prepares them for employment or further education at a college or postsecondary technical institution. Students spend half of their school day at their home high school and are then transported to one of the OCVTS Vocational School Centers in Brick, Waretown, Jackson, or Toms River for half of the day.

While participating in an OCVTS program, students remain full-time members of their home high school. They continue to take academic courses, participate in athletics and other co-curricular activities, and graduate from their home school. Upon graduation, students receive both a high school diploma from their home school and an OCVTS certificate of completion. Students may also earn state and industry-recognized technical certifications through their program.

Many OCVTS vocational-technical programs offer Tech Prep agreements that allow students to earn between three and twenty college credits while still in high school. Applications and the OCVTS Guide for Applicants, which includes detailed course descriptions, are available through the Guidance Office.

Admission to OCVTS is determined solely by OCVTS and is based on program space availability, the student's academic performance, and attendance record. Students are encouraged to apply during sophomore year.