

**Cape May County Technical
High School**



PROGRAM OF STUDIES

2026-27

**188 Crest Haven Road
Cape May Court House, NJ 08210
609-380-0200
Fax: 609-465-4504**

www.capemaytech.com



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Mrs. Kristen Schaffer, Director of Curriculum & Instruction	Ext. 265
Mrs. Diana Staino, Supervisor of Guidance	Ext. 292
Mr. John Longinetti, Assistant Principal of Secondary Education	Ext. 267
Mr. David Smith, Director of Athletics, Supervisor of Health/Physical Education	Ext. 273
Mrs. Susan Jurusz, Supervisor of Adult & Community Education	Ext. 2041
Ms. Megan Thompson, Supervisor of Humanities & Data Coach	Ext. 266
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Introduction: This Program of Studies booklet provides important information about curricular offerings at Cape May Technical High School. It should be read and studied carefully as students plan their selection of courses for next year. Underclassmen should make tentative long-range plans for their entire high school career. Parents and students are urged to be careful about course selections since students generally will not be permitted to change courses.

Mission Statement: The mission of the Cape May County Technical School District is to produce civic-minded graduates who possess the knowledge, dispositions, and social/emotional skills to be active participants in the global workplace. Students will develop the skills necessary to pursue careers and higher education, enhance their personal growth, and become lifelong learners through the combination of academic, technological, and co-curricular experiences.

Cape May Technical High School Beliefs:

1. A powerful, student-centered learning environment is successful when parents, teachers, students and community members are a collaborative team committed to student growth and actively involved in exchanging ideas.
2. Education is most effective when decision-making is focused on individual needs and interests of each student.
3. Communication, collaboration, problem solving, and critical thinking are essential skills in a global society.
4. An environment of academic and vocational excellence should create curious minds and compassionate learners who will thrive in an ever-changing world and be prepared to enter careers in the global market.

Cape May Technical High School Goals:

- Maintain quality facilities through strategic budgetary planning, project management, and effective staffing
- Create well-rounded, research-based, academic and CTE programs and instruction that provide challenges to every student regardless of need
- Hire, retain, and provide professional development for high quality teachers and aides that understand and can meet the needs of the whole child.
- Create a school district climate and culture in which all staff believe that all students can achieve at high levels in order to be prepared for college and career readiness.
- Ensure leadership practices at all levels of the district are effective and ethical and result in the development of systems, practices, and policies that lead to the achievement of district goals.
- Develop and implement a multi-tiered system of supports and procedures to meet the needs of all students academically, vocationally, socially, and emotionally.

Notice of Non-Discrimination

The Cape May Vocational Technical School District and Special Services School Districts strictly adhere to their Boards of Education affirmative action and anti-harassment policies to ensure equal education opportunities for all students and equal employment opportunities for all persons. In conformance with these policies the Districts affirm not to discriminate in their education programs, activities, employment or admission procedures and practices on the basis of race, color, age, creed, religion, ancestry, national origin, socioeconomic status, affectional or sexual orientation, gender, gender identification or expression, disability or marital status. If a student, parent, or staff member has a complaint regarding these matters, he or she should contact the appropriate supervisor. If not satisfied with the determination, the complainant then may contact the District’s Affirmative Action Officer.

Mrs. Kristen Schaffer, Director of Curriculum & Instruction Compliance Officer for: Affirmative Action (609) 380-0200 ext 265 kschaffer@capemaytech.com	Ms. Diana Staino, Supervisor of Guidance Compliance Officer for: 504 Coordinator (609) 380-0200 ext 292 dstaino@capemaytech.com
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The language and portrayals of career descriptions and course selection information contained in this program are free from biases and stereotypes. Cape May Technical High School encourages all students to select coursework and career paths based on individual interests and abilities. Persons with limited English language skills as well as visually impaired

persons are encouraged to contact the Guidance Office at (609) 380-0200 for a translation and or/help understanding the school's vocational education opportunities.

FERPA Notification

Cape May Technical High School complies with all sections of the Family Educational Rights and Privacy Act (FERPA). A file is maintained on each student in the Guidance Office. Records containing information relevant to their education are available to your parents or to the students if they are 18 years old. A member of the school staff responsible for the maintenance of the records will be present to provide interpretation of the records should students or parents wish to review them. Therefore, an appointment must be made in advance to ensure adequate staffing. The Family Education Rights and Privacy Act (FERPA) affords parents and students over 18 years of age certain rights with respect to the student's education record. 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 Guidance office at 188 Crest Haven Road, Cape May Court House, NJ 08210, a written request that identifies the record(s) they wish to inspect. The Guidance Office 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, misleading, or otherwise in violation of the student's privacy rights under FERPA. Parents or eligible students who wish to ask the school to amend a record should write to the Director of Guidance at the address listed above, clearly identify the part of the record they want changed, and specify why it should be changed. If the school decides not to amend the record as requested, 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 privacy of personally identifiable information 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 the 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 the school has outsourced services or functions it would otherwise use its own employees to perform (such as an attorney, auditor, medical consultant, or therapist); a parent or student serving on an official committee, such as a disciplinary or grievance committee; or a parent, student, or other volunteer assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review education records in order to fulfill his or her professional responsibilities.
4. Upon request, Cape May Technical High School discloses education records without consent to officials of another school district in which a student seeks or intends to enroll, or is already enrolled if the disclosure is for purposes of the student's enrollment or transfer.
5. 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 name and address of the office that administers FERPA is:

**Family Policy Compliance Office
U.S. Department of Education
400 Maryland Ave, SW
Washington, DC 20202-5920**

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Information and Facts:

Cape May County Technical School was instituted in 1915 by the Cape May County Board of Chosen Freeholders and is today situated on an 84-acre campus in the Northern section of the Crest Haven Complex (Middle Township) which is easily accessible from Exit 11 of the Garden State Parkway. The Cape May County Technical School presently consists of one main building which includes the Tozour (100) Building, the Scrivani (200) Building and the Toft (300) Building, as well as auxiliary buildings that include a greenhouse, the Broadley Administration Building, and waterfront facilities on the sound. Also, baseball, softball and soccer fields have been established on the campus. The district is ready to serve the educational and technical needs of the community well into the 21st century.

The District's Educational Divisions include:

- A Comprehensive High School
- Shared-Time Career Technical school program
- Adult Post Secondary instruction.
- Evening Community Education programs
- Adult Basic Education(ABE)
- High School Equivalency(HSE)
- English as a Second Language(ESL)
- HSE Testing Center
- Summer Enrichment Youth Programs

Evening & Community Education Division:

The Evening and Continuing Education Division offers courses to provide academic, vocational, technical and vocational instruction in Arts, Crafts, Dance, Music, Computers, Cooking, Baking, Language, Health & Fitness, Office/ Career Related, Special Training, State License, Vocational/Technical programs and HSE, ABE, ESL instruction. The Cape May County Technical School is committed to serving business, industry, labor unions, and the community through the programs offered in both the day and evening school. Inplant training, emergency short term or long range programs, seminars or courses for particular skills, licensing or certification programs are developed to meet the needs of Cape May County residents.

Fast Facts

School Colors: Green, White
School opened: 1915

School Nickname: Cape May Tech
Number of students: 680

School Mascot: Hawks

Cape May Tech reserves the right to make adjustments in course offerings, scheduling policies, and course registration dates. An electronic version of the Program of Studies is available on the school website at www.capemaytech.com. Any changes to the Program of Studies will be updated on the website. The Student Handbook, available electronically on the school website, will also include any updates in scheduling and/or grading procedures.

These programs included in this booklet include all of the NEW JERSEY STATE CORE CURRICULUM CONTENT STANDARDS, as set forth above, by the Department of Education. The curriculum listed in this catalog was adopted and approved by Cape May Technical High School District at its regular Board Meeting in August. The courses described in this catalog are subject to revision or deletion depending upon student subscription, the curricular needs of the District, and/or the changing requirements of the New Jersey Department of Education.

Student Support Services

School Counseling:

Cape May County Technical High School Guidance Department believes in supporting and protecting the educational mission of our school district. Children's growth is developed through academic, personal/social, career exploration and is developmental in nature. We believe in educating the whole child in a student-centered atmosphere through the implementation of a comprehensive counseling program and in an atmosphere that is essential to student success in life and their community.

Counselors at Cape May Tech work with each individual student to plan immediate and long range goals. Counselors meet with each student individually to review the courses selected to assist them in determining their appropriate course loads. If parents/families wish to make appointments with counselors to discuss scheduling, they should call 380-0200, ext 2801.

Mrs. Diana Staino, Supervisor of Guidance	Ext. 292
Dr. Marc Roesch, Guidance Counselor, ALL grades, A-L	Ext. 289
Ms. Talia Branda, Guidance Counselor, ALL grades, M-Z	Ext. 290
Mr. Joe Cascia, College & Career Counselor	Ext. 1281

Child Study Team:

The Child Study Team (CST) is a group of school professionals at Cape May County Technical School that work together to support students who may be having difficulty in school. Their goal is to help students succeed both academically and socially. The Child Study Team provides consultation by working with parents, teachers, and school staff to discuss concerns and strategies for students who may be struggling in the classroom. They also complete evaluations and re-evaluations to assess students who are referred for special education to determine whether they qualify for services or continue to need them. Support and guidance is another important service offered through practical recommendations and strategies to assist teachers, parents, and students in addressing school-related challenges. These services are designed to ensure that students receive the support they need to be successful in school.

Ms. Sharon DeNafo, Supervisor of Child Study Team	Ext. 293
Mrs. Brittany Cascia, Learning Disability Teacher Consultant, ALL Grades, A-L	Ext. 285
Dr. Carly Stranges, School Psychologist, ALL Grades, M-Z	Ext. 291
Ms. Micaela Mizsak, Social Worker	Ext. 1282

School Based Youth Services:

The School-Based Youth Services Program (SBYSP) is located in host schools and coordinates with existing resources in the community. All youth are eligible to participate and services are provided before, during, and after school. SBYSP services include: mental health counseling; employment counseling; substance abuse education/prevention; preventive health awareness including pregnancy prevention; primary medical linkages; learning support; healthy youth development; recreation; and information/referral."

School Based Youth Services	Ext. 3551
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Graduation Requirements

- The Program of Studies for Cape May County Technical High School includes the 18 Career Technical Majors that are designed to provide students a minimum of 140 credits while in high school, as well as prepare students to pass their state required graduation assessment in order to receive a high school diploma.
- In accumulating the 140 credits, the following course work must be included for the following programs: Allied Medical, Automotive Mechanics, Carpentry & Property Management, Communication Arts Technology, Computer Technology, Culinary Arts/Hospitality, Dental Assisting, Electrical Trades, Environmental Science, Future Educator, HVAC-R/Sustainable Energy, Law Enforcement & Public Safety, Marine Maintenance, Marine Sciences, Pre-Engineering, Powersports, Veterinary Science, and Welding Technology.
- The minimum graduation requirements shall include completion of the following:
 - 20 credits in Language Arts Literacy (English)
 - 20 credits in Health & Physical Education
 - 15 credits in Social Studies (World History, US History I & US History II)
 - 15 credits in Mathematics (including Algebra I, Geometry & Algebra II)
 - 15 credits in Science (including Biology, Chemistry and Physics)
 - 5 credits in World Languages (Spanish, French or ASL; 1 year required)
 - 5 credits in Fine Arts
 - 5 credits in Financial Literacy
 - 40 credits in Career & Technical Education
- Each school year the NJDOE will determine the proficiency level needed on the assessments to meet the requirements. It is important to note that our students have always been able to meet graduation requirements through an alternative assessment or pathway to graduation throughout New Jersey’s forty-year history with a statewide assessment program, and will continue to be able to do so. Updated state assessment information can be found on our website, www.capemaytech.com.
- Beyond the 140 credit Cape May Technical High School requirement, the following Career & Technical program have additional CTE credit requirements.
 - Cosmetology (150 total credits)- Grade 12 Cosmetology Level 3 (20 credits)
 - Culinary Arts (145 total credits)- Grade 12 Culinary Arts Level 3 (15 credits)

See the following **SAMPLE** schedule for students grades 9-12 including an opportunity to select electives.

Grade 9	Grade 10	Grade 11	Grade 12
<ul style="list-style-type: none"> ● CTE: Exploratory ● English I ● Algebra I ● Biology ● World History ● Health/PE ● World Language <p>(40 credits)</p>	<ul style="list-style-type: none"> ● CTE Level 1 ● English II ● Geometry ● Chemistry ● US History I ● Driver’s Ed/PE ● Elective (Visual or Performing Arts) <p>(40 credits)</p>	<ul style="list-style-type: none"> ● CTE Level 2 ● English III ● Algebra II ● Physics ● US History II ● Health/PE ● Elective (Visual or Performing Arts) <p>(40 credits)</p>	<ul style="list-style-type: none"> ● CTE Level 3 ● English IV ● Health/PE ● Financial Literacy ● Elective ● Elective ● Elective <p>(40 credits)</p>

Recommendations for College-Bound Students

- 20 Credits in Math (4 Years)
- 20 Credits in Science (4 Years)
- 10-20 Credits in World Languages (2-4 Years of the Same Language)
- 20 Credits in Social Studies (Take advantage of elective course offerings)
- Continue a challenging course load throughout all 4 years of high school
- Prospective collegiate student-athletes should check with their guidance counselor to ensure selected courses are approved by the NCAA.

Grading Policies

- Report cards will be issued quarterly and shall indicate a grade and comments for each course.
- All grades and final averages will be in numerical form. Numerical grades are earned during each marking period. Grade point averages are reported using these numerical averages.
- The letter equivalent for numerical grades is as follows:
 A= 93-100 B=85-92 C=76-84 D=70-75 F=69 or less I=Incomplete
- Numerical grades below fifty cannot be issued and calculated into the final average. In a semester course, no grade lower than fifty should be issued.
- Copies of the course syllabus and criteria for grading will be shared to students and parents at the beginning of each course. Teachers will provide an orientation to students explaining the level of mastery within the course and the specific basis upon which grades will be determined.
- Instructors will evaluate students on an individual basis against the mastery of the CTE curricula and/or industry professional standards. In developing their grading system, instructors may also consider the student's attendance record, attitude, achievement, cooperation, classroom participation, performance, special projects, independent study, reports, and homework assignments. It is therefore recommended that all students become familiar with each teacher's expectations in the program.
- A progress report will be required for each student at the mid-way point of each marking period. Progress reports are generated by the teacher and made available online to the parents of the students.

Grade Range		Weighted GPA Values		
		College Prep	Honors, Dual Enrollment	Advanced Placement*
A	93-100	4.0	4.40	4.80
B	85-92	3.0	3.30	3.60
C	76-84	2.0	2.20	2.40
D	70-75	1.0	1.10	1.20
F	0-69	0	0	0

- Cape May Tech utilizes a weighted GPA system based on course rigor. College prep courses use a standard 4.0 GPA scale where Honors/Dual Enrollment courses receive a 10% weight increase and Advanced Placement (AP) receive a 20% weight increase.
- Incomplete report card grades should be made up within two weeks of the report card being issued to the student.
- AP/Honors/Dual Enrollment weighting is designed to reflect the level of course difficulty. Weighting is not intended to compensate for average or below-average performance in an accelerated course.
- Due to Career & Technical Education course requirements, **dual enrollment ranking will not be calculated into CTE courses** which have agreements with post-secondary institutions.
- Honor Roll and Distinguished Honor Roll will be published at the close of each marking period and at the end of the year. The following criteria will be used:
 - **Distinguished Honor Roll:** Students earning all A's (93 or above) in all courses will be honored.
 - **Honor Roll:** Students earning all A's and B's (85 or above) in all courses will be honored.
 - Additionally, students who earn Distinguished Honor Roll all four marking periods will be placed on the Principal's List for the school year.

National Honor Society/National Technical Honor Society:

- Students eligible for the National Honor Society must earn a minimum GPA of 3.8, prove community service, and display involvement in extracurricular activities. Once inducted the junior members must complete at least 20 community service hours (15 for senior new members) and meet the minimum criteria for activity credits (please see the advisor or the high school website for specific criteria concerning activity credits).
- Students eligible for the National Technical Honor Society must earn a minimum GPA of 3.5 in academic courses and 3.8 GPA in CTE courses. Once inducted the junior members must complete at least 20 community service hours (15 for senior new members) and meet the minimum criteria for activity credits (please see the advisor or the high school website for specific criteria concerning activity credits).
- Potential candidates are notified of their eligibility in the fall of their junior or senior year and must complete an information packet to be approved by the screening committee prior to induction.
- Disciplinary infractions and other conduct issues may impact a student's candidacy for the National Honor Society and/or National Technical Honor Society. Those students who are successfully inducted but fail to maintain their GPA, community service requirements, and/or conduct standards may be subject to probation or removal from the organization.

Class Rank

Starting with the graduating class of 2024, class rank will be calculated for institutions requiring the statistic i.e. colleges, universities, scholarship organizations. If a college/scholarship requires the reporting of class rank, that information will be provided directly to the institution or organization after receiving an official written request from said institution. Class rank would be determined by numerical grade point average and would be calculated at the end of each school year. Upon written notice to the Supervisor of Guidance, a parent may request their child's unofficial class rank. Quality points equal the numerical value assigned to each grade as determined by the level of difficulty of a subject times the credits earned.

- Unweighted Class Rank (Grade Point Average)- The unweighted class rank will be determined by taking the sum of course grades times the credits of each course divided by the total credits completed.
- Weighted Class Rank- Weighted class rank will be determined by the weighted grade point average. There will be ranking systems utilized to determine the weighted class rank.
- Quality points are determined by the level of difficulty of a subject.

In the event the highest or next highest grade point average has been earned by two or more pupils, both or all the pupils who have tied for first and second place shall be named co-valedictorian or co-salutatorian the case may be. These honors are earned by students who have attended Cape May Tech for a minimum of three consecutive years beginning in the Fall of sophomore year. Cumulative GPA and class rank will be computed at the end of the first semester of the senior year using a numerical average that includes weighting for advanced courses. A student's grade point average and class rank will be entered on the student's record and will be subject to **Board Policy 8330** on the release of student records.

NJ Seal of Biliteracy

Cape May Tech is a participating school district in the New Jersey Seal of Biliteracy program. The Seal of Biliteracy is an award given in recognition of students who have attained Intermediate Mid proficiency in two or more languages by high school graduation. The Seal of Biliteracy is a statement of accomplishment and is viewed as an asset when applying for a job or for college admission. The Seal serves to certify attainment of biliteracy for students, employers, and institutions of higher education. It is a statement that signals evidence of a student's readiness for career and college, and for engagement as a global citizen.

The Seal of Biliteracy seeks to:

- Encourage students to study languages
- Certify attainment of biliteracy

- Provide employers with a method of identifying people with language and biliteracy skills
- Provide universities with a method to recognize and award academic credit to applicants seeking admission
- Recognize and promote second language instruction in public schools

Students who are eligible for the Seal include those who have met New Jersey's English Language Arts requirements AND score a 5 or better on the STAMP Assessment in all categories (Speaking, Reading, Listening, Writing).

Eligible Seniors and Juniors will have the opportunity to register to take the Standards-based Measurement of Proficiency (STAMP) exam. (See more information here: [New Jersey State Seal of Biliteracy](#))

Scheduling Procedures

Meeting with counselors:

All parents and guardians are encouraged to participate in their child's selection of courses for the next year. During the spring, freshman, sophomores, and juniors will meet with their guidance counselor to review course descriptions and discuss the various opportunities offered to students as well as the importance of choosing the levels of courses and electives wisely. It may not be possible to change courses/levels after initial selections are made.

Schedule Changes/Drop-Add Periods:

- Parents and students are urged to carefully consider all course selections during the registration period to arrive at a meaningful program of study. It may not be possible to change course selections/levels after initial course selections are made.
- The school's administration reserves the right to revise individual student schedules in order to correct course overloads and conflicts.
- We are unable to accommodate requests for schedule changes related to teacher, period or convenience/preferential changes.
- Courses may not be added and/or dropped beyond the end of the first quarter. However, this policy may be subject to change if the Guidance Office determines that a student is inappropriately placed based on MTSS data and teacher feedback. In such instances, a student may be allowed to make a course change beyond the first quarter.

Advanced Placement Courses:

The following course registration criteria apply to all Advanced Placement, Dual Enrollment and Honors courses at Cape May Technical High School. **Additional departmental criteria may apply. Please see individual course descriptions.**

- All students registered for AP courses, must register for and take the corresponding exam for each course.
- Students will be responsible to pay half (\$45 or \$25 for F/RL) of the exam fee while Cape May Tech will cover the remaining costs.
- Advanced Placement courses will be weighted on a 1.20 scale, which is the highest scale at Cape May Tech.
- **Eligibility for Honors/Dual Enrollment:** Students must meet both of the following criteria: have a cumulative grade of "A" (93+) or in the desired subject area at the College Preparatory level and/or a concentrated grade of a "B" (85+) or higher at the Honors level **AND be recommended by their most recent teacher in that subject area.**
- **Eligibility for AP:** Students must have a cumulative grade of "A" (93+) in the desired subject area and have had the most recent course been at the Honors level and/or "B" or higher (85+) at the Advanced Placement level for two-part AP courses. Students must be recommended by their most recent teacher in that subject area.

Course Request Waiver:

- Students that had requested a course and did not meet the prerequisite grade requirements and/or receive a teacher recommendation have the right to appeal the decision by completing the Course Placement Waiver Agreement.
- By completing this form, the student and parent/guardian are acknowledging that based on the student's course history and performance they did not initially qualify for the accelerated course, but still wish to enroll in the requested course.
- The parent, student and guidance counselor will then meet to discuss the course waiver agreement and present course expectations and grading procedures for the said course.
- Please note, if a student chooses to waive into the course and then decides to drop back down to a lower level, complications may arise due to limited space and scheduling availability. This waiver can be obtained in the Guidance Office with a deadline set forth by the Guidance office.

Correcting Course Overloads:

At times, student demand for courses will exceed the number of sections the school is able to offer. These scheduling overloads will be corrected by placing seniors first, followed by juniors, sophomores, and then-freshman. If the case exists that some of a given class can be placed, but not all, students will be randomly selected from that grade level for placement.

Student Withdraw from a Course(s):

- Students may drop down a course level during the Drop/Add period; **the deadline to add/drop or change a class is up to progress reports of the first marking period.** After the Drop/Add period, students will remain in their selected course level unless there are extenuating circumstances with administrative approval. If a student drops down a level within the designated time, the teacher receiving the student shall average in the previous class' un-weighted grades. Additionally, students that withdraw from an Advanced Placement or Dual Enrollment course must understand that due to the complexity of the schedule, certain constraints may not permit the student to enter into an Honors level course. In this case, they will be placed at a non-weighted level in the appropriate subject area.
- A student wishing to go up a course level may do so until the mid of the first marking period with the recommendation of their current teacher. If approved, the student bears the responsibility for the work that they missed in the more advanced level.

Special Education

New Jersey Administrative Code 6:A mandates that all classified students have a current Individualized Educational Plan (IEP) developed by the IEP team that ensures a free and appropriate public education. An IEP team consists of the student, parents/guardians, Child Study Team members, guidance counselor, and special and general education teachers. Students with disabilities must be educated in the least restrictive environment aligned with their educational needs. Specific Special Education programs include resource room and inclusion classes. Supplementary and related services (counseling, physical therapy, occupational therapy and speech therapy) are provided, as needed, to meet our students' needs. If you suspect your child has a learning disability and may be eligible for special education services, please contact our Supervisor of Child Study Team, Sharon DeNafo, sdenafo@capemaytech.com.

Inclusion Classes:

- In an inclusion class there are two certified teachers – a special education teacher and a general education teacher. Students are exposed to the general education curriculum with modifications and educational support, as specified in their individualized education plan.
- Inclusion classes are offered in the core academic areas: English, Math, Social Studies, and Science. Recommendation by the Child Study Team is required.

Pull Out Replacement

- In a pull-out replacement resource class, a certified special education teacher utilizes specialized instruction to meet the needs of a student as outlined in the individualized education plan. Students are provided a modified curriculum based on the New Jersey Teaching and Learning standards as well as curriculum resources tailored to their individual needs.
- Pull out replacement classes are offered in two academic areas: English and Math. Recommendation by the Child Study Team is required.

Option II

Cape May Technical High School provides options for students to earn credit using alternate pathways to satisfy graduation requirements and meet the New Jersey Student Learning Standards (NJSLS) in accordance with New Jersey Administrative Code {N.J.A.C. 6A:8-5.1 (a) I ii}. **Option II alternative experiences are voluntary.** Students may fulfill the NJ state requirements for graduation by earning credits through traditional classroom environments, alternative learning experiences using Option II, or through a combination of both programs. Option II permits students to engage in a variety of alternative learning experiences to fulfill expectations set forth in the NJSLS outside of the traditional classroom.

- Students may take part in Option II alternatives (other than Physical Education) by participating in activities such as the following: independent study, accredited college coursework, concurrent enrollment at colleges and universities, online and distance learning opportunities with proof of proficiency or other activities as approved by administration.
- All Option II experiences will be graded and the numerical grade will appear on the student's transcript; however, the grade will not be calculated in the student's GPA.
- The student and/or student's parent/guardian is responsible for all arrangements related to participation in Option II credit experiences, including but not limited to, payment of tuition and fees, books and other required materials, transportation, safety, and knowledge of all relevant information pertaining to the experience.

NCAA Athletics

- NCAA Clearinghouse rules have changed with regards to software-based credit recovery, virtual learning, online courses, independent study and correspondence courses. These types of courses, identified by NCAA as nontraditional courses, may not meet guidelines to be included in a student's core GPA calculation. Please check www.eligibilitycenter.org for additional information.

Approval Process

- **The deadline to submit Option II proposals for 1st semester or full-year credit is July 1, 2026. The submission deadline for Option II proposals for 2nd semester credit is January 1, 2027.**
- All Option II proposals need to be submitted to the students' counselor. Students should not register for any courses or experiences related to their Option II proposal until they gain final approval.

Guidelines for the Utilization of Option II as an Alternative to Physical Education & Health

- N.J.S.A. 18A:3 5- 7 requires every NJ public high school student to take courses in health and physical education. N.J.S.A. 18A:35-7 and 8 requires that high school students receive 150 minutes (or two and a half hours) of health, safety, and physical education per week, prorated for school holidays. With regards to the standards, the administration must ensure that the student has met local district curricular objectives and will carefully document the student's achievement. To ensure that the learning experience meets or exceeds the NJDOE approved learning standards, students granted this option have additional responsibilities for documentation.
- Once approved, the student shall participate in the Option II Credit experience and submit necessary documents to verify completion monthly. Failure to maintain and submit sufficient documentation, including accurate times and signatures, may result in the loss of credit. The Parents/Guardians of the student are responsible for all arrangements related to participation in the Option II Credit Experience, including but not limited to, payment of tuition or fees, materials, transportation, safety and knowledge of all relevant information pertaining to the experience.
- During the experience, the student must be working with a Coach/Instructor/Advisor or other appropriately certified professional who will verify the student's participation in the agreed to activities and the time present for these activities. Upon successful completion of the Option II experience, students will receive a grade of P (Pass) or F (Fail) and the appropriate amount of credits. This grade will not be calculated in the student's GPA.
- Before the application for Option II can be approved, the following information must be received and reviewed by the district:
 - Rationale for Request

- Start and End Dates
- Location of Experience and Contact Information for Coach/Instructor/Advisor
- Description of the experience and how it meets the NJSLS for Physical Education
- Signed agreement including a description of the experience, alignment to the standards, and timelines.
- A plan for meeting the Health requirement.
- Cape May Tech students utilizing Option II as an alternative to Physical Education & Health will need to complete an online Health course in order to fulfill the Health education component of the graduation requirement. Students will be responsible for any costs associated with the online Health course.

Utilization of Option II for areas other than Physical Education:

Option II establishes alternate pathways for students to satisfy graduation requirements and meet the New Jersey Core Curriculum Standards in accordance with New Jersey Administrative Code [N.J.A.C. 6A:8-5.1 (a) I ii]. Option II alternative experiences are voluntary. Students may fulfill the requirements for graduation by pursuing credits earned through the traditional classroom environments, alternative learning experiences availed through Option II or through a combination of both programs. Option II permits students to engage in a variety of alternative learning experiences which are stimulating and intellectually challenging, enabling them to fulfill or exceed expectations set forth in the NJ Student Learning Standards outside of the traditional classroom. Students may take part in Option II alternatives (other than Physical Education) by participating in activities such as the following: student exchange programs, independent studies, accredited college coursework, concurrent enrollment at colleges and universities, online and distance learning opportunities, or other activities as approved by administration.

Registering for Courses not offered at Cape May Tech:

- Any student that would like to register for a course not offered at Cape May Tech will need to complete the appropriate Option II paperwork which can be found in the Guidance Office.
- Any costs (tuition, books etc.) associated with registering for a non-Cape May Tech course are the responsibility of the student.
- It is the responsibility of the student to provide the counselor with documentation with official grades and credits earned for any course completed outside of Cape May Tech.
- Courses taken outside of Cape May Tech will be entered as a Pass (P) or Fail (F) on a student's transcript and will not be calculated into a student's GPA.

Work Based Learning

Work Based Learning is experiential, supervised, in depth learning experiences aligned to the New Jersey Student Learning Standards that are designed to offer all students the opportunity to fully explore career interests and develop workplace readiness skills. This course will cover basic areas of employability skills, workplace readiness and employment equity. Students will develop employability skills, complete job applications, prepare professional portfolios and participate in mock interviews to develop their skills in preparation for an SLE. Examples of SLEs include community service, service learning, volunteering, job shadowing, paid/unpaid internships and cooperative education experiences. The experiences are designed to assist students to more fully:

- Clarify career goals and interests;
- Explore career possibilities;
- Develop and use employability skills;
- Demonstrate and apply high level academic and technical skills;
- Ease the transition between high school and employment;
- Prompt consideration for further education and training; and
- Enhance Career Readiness

There are several different types of WBL that students may participate in over their high school career. Some of these experiences are embedded in our curriculum and are an integral part of our Career and Technical Education (CTE) programs. Other experiences are optional for students and require the students to request participation. WBL includes:

- Internships - a program of study for a student which includes supervised practical training. Internships may be paid or unpaid and may occur in hazardous and non-hazardous occupations, as per NJDOE and NJDOL requirements.
- Job Shadowing - the process by which a student determines by observation, interview, and study the pertinent information related to an occupation.
- Cooperative Educational Experiences (CEEs): A paid work experience aligned to a student's CTE program. Students in grade twelve are eligible to apply for enrollment in a CEE during their senior year.

For additional information regarding these or other WBL opportunities, please contact Mr. Longinetti, jlonginetti@capemaytech.com

Dual Enrollment Courses

Cape May Tech students enrolled in the following courses have the opportunity to earn college credit at a discounted tuition rate for their high school coursework. Students and families will receive more information about dual enrollment, articulated and concurrent opportunities and the registration process once the school year begins. See the following agreements for listed courses and their institutions below:

Institution	Cost	Additional Information
	\$68.00 per credit	<p>The student is responsible for:</p> <ul style="list-style-type: none"> ● informing their High School Guidance Counselor of their intent to register for dual credit with Atlantic Cape; ● Submitting an application to Atlantic Cape by November 30, 2025 using the Early College application, if they have not previously applied to Atlantic Cape. ● Maintaining access to personal device compatible with the Microsoft Authenticator application, which is required for secure login to the College's Self Service portal; ● Registering for their dual enrollment course(s) through their Atlantic Cape Self Service account during the registration window (January 15-March 15, 2026). ● Adhering to the policies and regulations of both the school district and Atlantic Cape Community College, including but not limited to course registration procedures, add/drop deadlines, withdrawal dates and refund policies. <p>Credit will be awarded for course(s) completed during the current academic year; no retroactive registrations will be accepted. The course grade earned will reflect in students' official Atlantic Cape transcript. At the conclusion of each semester, students can access their grades through their Atlantic Cape Self-Service account.</p>
	\$100 per credit (tuition waiver available for F/RL students)	<ul style="list-style-type: none"> ● Students approved by their Guidance Counselor will apply online for non-matriculated status by going to the Web Services for Students and Employees link on the Stockton home page prior to the end of the first full week of high school classes. ● Students will be approved by their Guidance Counselor to register for University-level course(s) at an Orientation/Registration Session provided for students and staff at Cape May Tech no later than the last week of October for courses starting in the fall term. A full overview of logging in and navigating the goStockton web portal will be provided during the session. ● Stockton will allow, by review of the University Bursar, a tuition payment plan using the following procedures: <ul style="list-style-type: none"> ○ An initial payment of 50% of the total tuition is due within 30 days of course registration, not to extend past December 15. Final payment of the remaining 50% of tuition is due 60 days following the course registration, not to extend past January 15.

	\$50 per credit (tuition waiver available for F/RL students)	<ul style="list-style-type: none"> • Students must complete the Dual Enrollment application for the campus of interest by the dates established for fall semester and/or spring semester registration at RCSJ. • Students must submit the Dual Credit Registration and Permission to Enroll form along with proper payment. • Complete any additional requirements set forth by the high school.
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Articulated Credit Courses

Cape May Tech students enrolled in the following courses have the opportunity to receive academic credit for the equivalent course at listed institutions. College credits earned through this articulation agreement will offer students more flexibility in course selection and reduce college credit load during their enrollment at that institution. **There is no tuition attached/required for articulated credit. See the following agreements for listed courses below:**

Institution	Cape May Tech Courses
	<p>*To obtain credit upon enrolling at the college, students must have completed the course at Cape May Tech with a grade of C (70-76% or better) and matriculate to the college within five years of high school graduation.</p> <p><u>Prior Learning Articulation with Atlantic Cape Community College Agreement:</u></p> <ul style="list-style-type: none"> • This Agreement between Atlantic Cape Community College ("Atlantic Cape") and Cape May County Technical High School ("Cape May Tech") serves to assist students seeking an individualized academic program that awards college credit for nontraditional forms of learning. It is designed to provide students an accelerated route to an Associate in Applied Science {A.A.S.} degree in Technical Studies by earning credit for work experience, industry credentials and/or examination scores. • The A.A.S. degree in Technical Studies consists of a minimum of 20 General Education course credits and up to 25 Technical Core credits. General Education credits are awarded through successful completion of all required courses (including any courses deemed necessary as prerequisites). Technical Core credits are awarded through a Prior Learning Assessment (PLA) process. • Students interested in receiving Technical Core credits must complete Atlantic Cape's "Application for Prior Learning Assessment." Students will work with Atlantic Cape's PLA Coordinator for guidance and direction in selecting these courses (and all program-specific courses). • Upon completion of this degree program, students will be able to: <ul style="list-style-type: none"> ○ Utilize analytical skills in making decisions; ○ Demonstrate competence in the use of communication skills, critical thinking, teamwork and leadership in their chosen profession and career; ○ Provide official recognition of their individual training and education.
	<ul style="list-style-type: none"> • Students must have at least an 85% average in the course and achieve an end-of-course exam stanine score of six or above. • Transcript grade is based solely on the stanine score the student receives on the PLTW end-of-course exam. • The registration fee is \$225 for each course.

- Students must have at least an 85% average in the course and achieve an end-of-course exam stanine score of six or above.
- Transcript grade is based solely on the stanine score the student receives on the PLTW end-of-course exam.
- The registration fee is \$225 for each course.



To earn credit for the courses listed, students are required to:

- Have completed the Environmental Science program with a grade of “B” or better (3.0 GPA on a 4 point scale).
- Submit an official transcript to the Delaware Valley University Office of Admission, listing the course and grade received by the student.



To earn credit for the courses listed, students are required to:

- Have completed two years of the HVAC-R, Automotive or Powersports CTE program with a grade of “B” or better.
- Awarded credit will be reflected on the students’ transcript after completion of the first term.

Additional High School Advanced Credit Options

Institution	Rowan College of South Jersey
	<p>CMT and Rowan College of South Jersey have a signed memorandum of understanding outlining the High School Option Program (HSOP). Cape May Technical High School students can enroll in RCSJ courses at a discounted rate of \$75/credit. These courses do not replace NJDOE graduation requirements; courses enrolled through this option are in addition to the high school program/requirements. Completed coursework can be applied to an RCSJ certificate/degree or be easily transferred to other institutions of higher education. In addition to banking college credit at a reduced tuition rate, HSOP students are immersed in the collegiate environment and learn how to navigate higher education in advance of high school graduation. Students receive personalized advice and registration assistance. Visit www.rcsj.edu/hsop for more information.</p> <p><u>Rowan College Prep: A pathway through RCSJ to Rowan University</u></p> <p>As part of the extended Rowan family, Cape Tech has joined a pathway model plan to present a clear picture of education attainment to students and their families. The Rowan College Prep designation provides access to the Rowan brand and affiliation with RCSJ and Rowan University, dual enrollment opportunities at a reduced tuition cost, personnel support in advisement to help students explore options but keep them on the track to success, RCSJ adjunct status for qualified faculty, and shared facilities where The Prep is a Middle States Commission of Higher Education approved teaching location allowing us to increase the number of classes taught on-site all the way to full degree completion.</p>



Tentative Dual/Articulated Courses 2026-2027

<i>Articulated/ Dual</i>	<i>Cape Tech Course</i>	<i>College Course</i>	<i>College Course Code</i>	<i>Credits</i>	<i>College/ University</i>
CTE- Allied Medical					
Dual	Allied Medical Level 1	Elements of HealthCare Careers	HS 101	3	Rowan College of South Jersey
Dual	Allied Medical Level 2	Comprehensive Medical Terminology	HESC 110	3	Atlantic Cape Community College
Dual	Allied Medical Level 2	Med Terminology	ALH 102	3	Rowan College of South Jersey
CTE- Automotive					
Articulated	2 years of Auto	Suspension and Steering	AU 126	6	University of Northwestern Ohio
Articulated	2 years of Auto	Hydraulic Brake Systems	AU 127	6	University of Northwestern Ohio
CTE- Communications Arts					
Dual	Communication Arts Level 2	Intro to Digital Studies	DIGI 1100	4	Stockton University
Dual	Communication Arts Level 3	Digital Video Production 1	TVRF 103	3	Atlantic Cape Community College
Dual	Communication Arts Level 3	TV Production	COMM 2403	4	Stockton University
CTE- Computer Technology					
Dual/Articulated	Computer Tech Level 1	Problem Solving Using Technology	CISM 132	4	Atlantic Cape Community College
Dual/Articulated	Computer Tech Level 2	Computer Programming Java	CISM 154	4	Atlantic Cape Community College
Dual/Articulated	Computer Tech Level 3	Helpdesk Support	CISM 142	4	Atlantic Cape Community College

Dual/Articulated	Computer Tech Level 3	Computer Networking	CISM 146	4	Atlantic Cape Community College
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CTE- Culinary Arts/Hospitality

Articulated	Culinary Arts Level 1	Culinary Fundamentals	CULN 111	2	Atlantic Cape Community College
Articulated	Culinary Arts Level 1	Breakfast Cookery	CULN 134	1	Atlantic Cape Community College
Articulated	Culinary Arts Level 2	Purchasing, Inventorying & Cost Management	CULN 114	1	Atlantic Cape Community College
Articulated	Culinary Arts Level 3	Kitchen Foundations: Stocks, Soups & Sauces	CULN 125	2	Atlantic Cape Community College
Articulated	Culinary Arts Level 3	Meat Cookery	CULN 165	2	Atlantic Cape Community College
Articulated	Culinary Arts Level 3	Food Service Sanitation	HOSP 132	1	Atlantic Cape Community College

CTE- Environmental Science

Dual	Environmental Science Level 1	Environmental Science	ENVL 100	3	Atlantic Cape Community College
Dual	Environmental Science Level 1	Intro to Environmental Science	ENVL 1100	4	Stockton University
Dual	Environmental Science Level 2	Ecology Principles	ENVL 2200	4	Stockton University
Dual	Environmental Science Level 2	Ecology Principles Lab	ENVL 2205	1	Stockton University
Articulated	Environmental Level 1-3	Basic Plant Management	LAES 2016	3	Delaware Valley University
Articulated	Environmental Level 1-3	Greenhouse Management	PS 4209	3	Delaware Valley University
Articulated	Environmental Level 1-3	Restricted Electives		3	Delaware Valley University

CTE- Future Educators

Dual	Future Educators Level 1	Pathways to Learning	GSS 2342	4	Stockton University
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CTE- HVAC-R/Sustainable Energy

Articulated	2 years of HVAC	Service and Procedures	HV 110	6	University of Northwestern Ohio
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CTE- Law Enforcement and Public Safety

Dual/Articulated	Law & Public Safety Level 1	Intro to Criminal Justice	CRIM 101	3	Atlantic Cape Community College
Dual/Articulated	Law & Public Safety Level 1	Police Operations	CRIM 105	3	Atlantic Cape Community College
Dual/Articulated	Law & Public Safety Level 1	The Criminal Court System	CRIM 130	3	Atlantic Cape Community College
Dual/Articulated	Law & Public Safety Level 1	Intro to Corrections	CRIM 106	3	Atlantic Cape Community College
Dual/Articulated	Law & Public Safety Level 1	Juvenile Justice	SOCL 206	3	Atlantic Cape Community College
Dual	Law and Public Safety Level 1	Intro to Criminal Justice	CRIM 101		Rowan College of South Jersey
Dual/Articulated	Law & Public Safety Level 2	Criminal Investigation	CRIM 203	3	Atlantic Cape Community College
Dual/Articulated	Law & Public Safety Level 2	Intro to Firefighting	FIRS 101	3	Atlantic Cape Community College
Dual	Law and Public Safety Level 2	The Administration of Justice	CRIM 209	3	Rowan College of South Jersey
Dual/Articulated	Law & Public Safety Level 3	Intro to Fire Protection	FIRS 102	3	Atlantic Cape Community College

CTE- Pre-Engineering

Articulated	Pre-Engineering Level 1	Graphics	EG 102	3	Rochester Institute of Technology
Articulated	Pre-Engineering Level 2	Intro to Engineering and LAB	EG 101	3	Rochester Institute of Technology
Articulated	Pre-Engineering Level 3	Digital Electronics	EG 121	3	Rochester Institute of Technology/RIT
Dual	Pre-Engineering Level 3	Intro to Engineering	ENGR 101	3	Atlantic Cape Community
Dual	Pre-Engineering Level 3	Intro to Engineering	ENGR 101	2	Rowan College of South Jersey

CTE- Veterinary Science

Articulated	Vet Science Level 2	Animal Science	BIO 120	4	Rowan College of South Jersey
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Academic- Electives

Dual	Sustainability & the Environment	Environmental Science	ENVL 100	3	Atlantic Cape Community College
Dual	Sustainability & the Environment	Environmental Science	ENVL 1100	4	Stockton University
Dual	Holocaust and Genocide	The Holocaust	GSS 2240	4	Stockton University

Academic- English Language Arts

Dual	AP Lit & Composition	Intro to Literature	LITT 1100	4	Stockton University
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Academic- Mathematics

Dual	AP Calculus	Calculus	MATH 155	4	Atlantic Cape Community College
Dual	AP Calculus	Calculus 1	MATH 2215	5	Stockton University
Dual	Honors Pre-Calculus	Pre-Calculus	MATH 150	4	Atlantic Cape Community College
Dual	Honors Pre-Calculus	Pre-Calculus Mathematics	MATH 1100	4	Stockton University
Dual	Honors Pre-Calculus 1	Pre Calculus Mathematics	MATH 120	4	Rowan College of South Jersey
Dual	Statistics	Statistical Methods	MATH 220	4	Atlantic Cape Community
Dual	Statistics	Statistics	MATH 103	3	Rowan College of South Jersey

Academic- Science

Dual	Honors Biology	Biology of our World	BIOL 103	4	Atlantic Cape Community
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Academic- Visual and Performing Arts

Dual/Articulated	Art 2	Intro to Visual Arts	ARTS 115	3	Atlantic Cape Community College
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Dual	Mythology	World Myths and Legends	PHIL 105	3	Atlantic Cape Community College
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Academic- World Language

Dual	French 3	Elementary French 1	FREN 111	3	Atlantic Cape Community College
Dual	French 3	Elementary French 1	FREN 101	3	Rowan College of South Jersey
Dual	French 4	Elementary French 2	FREN 102	3	Rowan College of South Jersey
Dual	French 4	Elementary French 2	FREN 112	3	Atlantic Cape Community College
Dual	Spanish 3	Elementary Spanish 1	SPAN 111	3	Atlantic Cape Community College
Dual	Spanish 3	Elementary Spanish 1	SPAN 201	3	Rowan College of South Jersey
Dual	Spanish 4	Elementary Spanish 2	SPAN 112	3	Atlantic Cape Community College
Dual	Spanish 4	Elementary Spanish 2	SPAN 202	3	Rowan College of South Jersey

Athletics and Activities

ACADEMIC ELIGIBILITY

Cape May Tech follows the guidelines required by the New Jersey State Interscholastic Athletic Association while also enforcing its own policy by letter grade.

CAPE MAY TECH REGULATIONS ON STUDENT ATHLETIC ELIGIBILITY

A. Credits - NJSIAA Requirement

(1) To be eligible for athletic competition during the first semester (September 1 to January 31) a pupil must have passed 25% of the credits (30) required by the State of New Jersey for graduation (120), during the immediately preceding academic year.

(2) To be eligible for athletic competition during the second semester (Feb. 1 to June 30), a pupil must have passed the equivalent of 12 1/2% of the credits (15) required by the State of New Jersey for graduation (120) at the close of the preceding semester (Jan. 31). Full-year courses shall be equated as one half of the total credits to be gained for the full year to determine credits passed during the immediately preceding semester.

B. Grades - Cape May Tech Requirement

(1). Any student who earns one failure (F) grade from marking periods one, two, or three will be considered "provisionally eligible" until the next progress report is obtained. Any student who earns two or more failure (F) grades from marking periods one or two will be ineligible for participation in the subsequent marking period.

(2) These rules and regulations are the minimum eligibility requirements. Coaches or advisors may require a more strict eligibility code for their team or activity members. However, more strict eligibility requirements may only be employed providing they have been made clear to team or activity members (in writing) prior to the start of the applicable season or year and have the approval of the principal.

NCAA Student Athlete Information

A college freshman entering an NCAA institution must have a core curriculum of academic courses during their four years in high school. Core course requirements are different for Division I, Division II and Division III. There are also minimum GPA and SAT score requirements. Students and parents interested in NCAA athletic eligibility should inform their child's guidance counselor, coach and athletic director, in writing during their freshman year. Identifying NCAA interest after freshman year may be too late to properly advise students and parents on the course selections and requirements for eligibility.

Below lists the clubs, activities and athletics available for Cape May Technical High School students:

High School Athletics

- *B/G Basketball*
- *Baseball*
- *Softball*
- *B/G Swimming*
- *B/G Soccer*
- *B/G Cross Country*
- *Golf*
- *Cheerleading*
- *B/G Volleyball*
- *Esports*

High School Clubs/Activities

- *Archery Club*
- *Ducks Unlimited*
- *Key Club International*
- *FFA*
- *Girls Who Code*
- *Flag Football (Female)*
- *Literature Club*
- *Mock Trial*
- *National Honors Society*
- *National Technical Honor Society*
- *Skills USA*
- *Student Council*
- *Surf Club*
- *Table Top Games*
- *Tennis Club*
- *Theater Arts*
- *Tutoring*
- *Yearbook*
- *Yoga*
- *Unified Sports*

Exploratory Career Studies Program

- Choosing a high school career path begins freshman year with the unique Exploratory Career Studies.
- All Freshmen students participate in a year of Exploration in which they rotate through all 18 Career and Technical Programs separated into 4 career clusters: Mechanical, Technology, Sciences and Human Services. Students spend one marking period in each cluster learning about the career, employment opportunities, pathways and sample hands-on projects within the shop areas.
- Within this unique program, students are initiated and supported through academic interventions and programs. Students learn various note taking skills, the importance of Character Education, literacy strategies as well as social emotional learning in cooperation with Cape May Tech’s Peer Leadership program.
- During this first-year course, every student learns about each of the career programs offered at Tech. At the end of freshman year, students apply to their top three career tech programs.
- Procedures for Admissions into Programs of Study, grades 10-12:
 - Students review information sheets on each Career & Technical Education program.
 - 9th graders select their top 3 programs in May.
 - In a situation where there are more applicants for a specific CTE than spots available, a lottery system will be used to select students.
 - Outcome from lotteries will be sent to students prior to the last day of school.
- In the event that all of the student's choices are oversubscribed and a student does not gain access through the lottery system, that student will meet with the guidance department to select an available CTE program.
- At the conclusion of the selection process, students then begin specific career educational programming throughout Sophomore (Level 1), Junior (Level 2) and Senior (Level 3) years.

Cape May Tech’s Exploratory Career Cluster Rotation for 2026/27 SY:

MECHANICS	SERVICES	SCIENCES	TECHNOLOGY
Automotive Technology	Culinary Arts/Hospitality	Welding	Communication Arts
Carpentry & Property Mgmt	Future Educator	Natural Sciences	Computer Technology
HVAC-R/Sustainable En.	Cosmetology	Environmental Science & Sustainability	Law & Public Safety
Powersports	Dental Assisting	Allied Medical	Pre-Engineering
Marine Maintenance		Veterinary Science	
Electrical Trades		Exercise Science	

Career & Technical Programs

- Cape May Tech is a comprehensive vocational school district.
- Currently, Cape May Tech offers 18 Career & Technical Education (CTE) programs for students grades 10-12.
- Career and Technical Education (CTE) is an educational option that provides learners the opportunity to earn industry-valued credentials, college credit, and workplace experiences incorporating a rigorous academic core coupled with a high-level technical curriculum.
- Career and Technical Education (CTE) is an educational option that provides learners the opportunity to earn industry-valued credentials, college credit, and workplace experiences incorporating a rigorous academic core coupled with a high-level technical curriculum.
- Curriculum for these courses is regularly reviewed by industry professionals, post-secondary representatives, parents, students and administration.
- Curriculum alignment to industry standards is crucial for student success.
- All programs at Cape Tech are Programs of Study through New Jersey's Department of Education (NJDOE). CTE programs of study support career pathways meeting two of the following three criteria, high wage, in-demand, or high skill. They must culminate in the obtaining of college credit, an industry-valued credential (Tier II by NJDOE standards), or enrollment in a registered apprenticeship.
- The following pages will break down the CTE programs offered as well as the partnerships with post secondary and/or industry. Additionally, potential career pathways are mentioned for each program.



Allied Medical

The Allied Medical Program offers a three-year pathway that introduces students to the health sciences and steadily builds the knowledge and skills needed for future medical careers. In this program, students will gain exposure to the variety of careers available within the healthcare industry, a solid foundation of medical terminology as well as practical experience in a variety of clinical settings. By senior year, students have the opportunity to participate in EMT certification training with hands-on clinical experience and begin studying Anatomy and Physiology, gaining a deeper understanding of how the human body functions. Together, these courses create a strong, practical preparation for postsecondary health programs or entry-level opportunities in the medical field. **This program offers advanced credit opportunities at a post-secondary institution.**

Allied Medical Level 1

(10 credits)

Grade 10

Level 1 provides an introduction to Health Sciences as a career. In this course, students review various components of healthcare, ethics, medical documentation, career exploration, public health and human development. This course covers an orientation to health care and delivery, from an interdisciplinary perspective, with a focus on process skills to include critical thinking, ethical reasoning, effective communication, and self-directed learning abilities.

Allied Medical Level 2

(10 credits)

Grade 11

Level 2 students will successfully complete the Medical Terminology course in which they will explore a variety of human systems. This course is the study of words that pertain to body systems, anatomy, physiology, medical processes, procedures, and a variety of diseases. It provides specialized language for the health care team enabling health care workers to communicate in an accurate, articulate, and concise manner.

Allied Medical Level 3

(10 credits)

Grade 12

Level 3 students will participate in EMT certification training in partnership with an outside certifying agency. Within this partnership, students will participate in theoretical and hands-on clinical requirements. In the spring semester, students will begin exposure to Anatomy & Physiology which is the study of the structure and the function of the human body. This course is designed to give the students a selective overview of human anatomical structure and analysis of human physiological principles.

Certificates:

- Adult/Child CPR
- First Aid



Related Occupations:

- Nurse
- Doctor
- Physical or Occupational Therapists
- Medical Assistants
- Medical & Clinical Technologists
- Emergency Medicine Physicians
- Paramedic

Automotive Technology

Students in this program will be taught entry level skills needed to be successful in the automotive repair industry, as well as skills needed to be successful in postsecondary education pathways. This program is aligned with ASE/NATEF certifications and standards. Cape May Tech instructor and program are certified through ASE/NATEF. Within this program, students will comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and handling, storage and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations. **This program offers advanced credit opportunities at a post-secondary institution.**

Automotive Technology Level 1 (10 credits) Grade 10

Level I students will concentrate on safety, trade awareness, orientation and beginning diagnosis and repair. Students in this course will be taught entry level skills needed to be successful in the automotive repair business and will include a variety of services such as, engine cooling systems diagnosis and repair, suspension and steering, brakes, electrical systems battery diagnosis and repair, starting and charging system diagnosis and repair, and engine performance fuel, air induction and exhaust systems diagnosis and repair.

Automotive Technology Level 2 (10 credits) Grade 11

Level II students will advance to engine repair, diagnosis, assembly and disassembly in select systems. Students in this course will be taught entry level skills needed to be successful in the automotive repair business as well as within post-secondary educational programs. Students will be taught a variety of services to include engine repair diagnosis, removal and reinstallation, cylinder head, valve train and engine block assembly diagnosis and repair, electrical /electronic systems, heating, ventilation, and air conditioning diagnosis and repair, and engine performance engine diagnosis.

Automotive Technology Level 3 (10 credits) Grade 12

Level III students will advance to a variety of regulations, services and systems. Students in this course will be taught entry level skills needed to be successful in the automotive repair business as well as skills needed to be successful in post-secondary educational programs. Students will be taught a variety of services to include manual drivetrain and axle diagnosis and repairs, electrical systems diagnosis and repair, HVAC refrigerant recovery, recycling and handling, engine performance ignition system diagnosis and repair and emissions control systems diagnosis and repair. In this program, students have the opportunity to sit for applicable ASE/NATEF certifications (A4, A5, A6 or G1).

Certificates:

-ASE/NATEF



Related Occupations:

- Automotive Engineer
- Service Technician
- Autobody & Related Repairers
- Transportation, Storage & Distribution Manager
- Automotive Glass Installer & Repairer
- Automotive & Watercraft Service Attendants

Carpentry & Property Management

In this program, students will learn the skills required to build and repair residential structures with a focus on new construction materials, techniques, construction codes, electrical repairs, plumbing repairs, masonry and carpentry. This program articulated with the Northeast Carpenters Apprenticeship (United Brotherhood of Carpenters). By the end of this program, students will have OSHA 10 certification and be granted advanced standing to receive an interview with the United Brotherhood of Carpenters Apprenticeship program (pending competency in Career Connection Certificates). Additionally, this program partners with community agencies for many service driven career exploration opportunities within the region.

Carpentry & Property Management Level 1 (10 credits) Grade 10

Level 1 will introduce students to the materials, methods and equipment used in carpentry. Level 1 students will learn safety, technical mathematics, tool identification and proper use, reading basic construction drawings, site layout, foundation work, and framing techniques including sill, floor frame, wall frame, and roof framing. Emphasis will be given to building code items including special requirements for construction in coastal areas.

Carpentry & Property Management Level 2 (10 credits) Grade 11

Level 2 students will review the safety standards set in the program and construction industry. This level will build upon the student's current knowledge base and skills mastered in Level 1. In this course, students will apply their technical knowledge and skills to layout, cut, fabricate, frame, install and repair wooden structures and fixtures, and use proper hand and power tools. Students will continue to receive instruction in technical mathematics, learn about stair construction, basic residential wiring, basic residential plumbing installation, and basic principles of masonry.

Carpentry & Property Management Level 3 (10 credits) Grade 12

Level 3 students will review and demonstrate their skills on framing, stair construction, residential wiring, plumbing, and masonry. The students will also learn the basic fundamentals of hardscaping. Students will be trained in manufacturing in the high demand field of CNC machining. Students will design and complete a senior project for their final grade and be exposed to various opportunities post-graduation such as the union, various trades schools where they can earn their degrees while enhancing their trade skills or the world of work.

Certificates:

-OSHA 10



-Career Connection
Adv. Standing
Carpentry Union
-NOCTI



Related

Occupations:

-Carpenters
-Construction
Manager
-Maintenance &
Repair Worker
-Government
Property Inspector
-Appraiser &
Assessors of Real
Estate
-Facilities Manager

Partnerships:

Carpenter's Union
NCCER

Communication Arts

In this program students will learn about television production, film production, journalism, TV & radio broadcasting, and graphics. Additionally, students will acquire skills in computer animation, special effects, still photography, and audio production. Through the weekly CAT-TV broadcast, students will get hands-on experience with TV system work, specifically scriptwriting, performance, stagecraft, digital media production, cable TV, computer programming & systems analysis. By the end of this program, students will have successfully attained the Adobe Certified Associate credential in Adobe Premiere Pro CC video editing software (pending exam results). **This program offers advanced credit opportunities at a post-secondary institution.**

Communication Arts Level 1

(10 credits)

Grade 10

Level I will focus on the principles of studio production for crew, reporter and news anchor; instruction in the knowledge and skills needed for studio control room operations, studio camera operations, studio crew positions. Preparation includes the legal, ethical and professional decisions making skills in studio news production. Production will include a focus on techniques for gathering news, writing news, developing scripts, scheduling production and producing.

Communication Arts Level 2

(10 credits)

Grade 11

Level II will focus on the knowledge and skills needed for electronic field production (EFP) and electronic news gathering (ENG) with single camera operations. Activities include theory and hands-on script development for feature news packages, short subjects, public service announcements, documentary and live events. Activities and instruction include writing treatment, storyboard and script with attention to the principles of target audience and styles of writing. In addition to field production as crew and talent, the focus will include principles of videography and digital photography with a study of visual design and visual communication.

Communication Arts Level 3

(10 credits)

Grade 12

Level III will focus on the preparation of digital production and combining studio and field production with development of skills for the delivery of packages and programs in emerging technologies. Focus includes instruction in public relations, digital storytelling, topical reporting and the development of multimedia productions for publication along with media law and policy; and professional standards and ethics. Study will culminate in a Senior Project representing a product, service, project or idea through a multi-media capstone project and the development of a portfolio.

Certificates:

- ACA Certificate
- Adobe 1 Premiere Pro CC (Creative Cloud)



Related

Occupations:

- Broadcast Technicians
- Announcers
- Media Programming Directors
- Audio/Visual Technicians
- Editors
- Journalists
- Filmmakers

Computer Technology

Computer Technology teaches information age technologies and critical thinking to solve problems using those technologies. It provides students with a foundation for college study, not only in computer science or engineering, but in a wide variety of disciplines. This course introduces the student to the knowledge base and technical skills for careers in the information technology cluster. Students will learn to maintain a safe work environment and to build interpersonal skills needed for working in the IT field. The course provides a detailed understanding of computers, network administration, software development and web programming. This program is aligned with Atlantic Cape Community College for various dual credit options over three years. **This program offers advanced credit opportunities at a post-secondary institution.**

Computer Technology Level 1

(10 credits)

Grade 10

Level I students will be introduced to PC repairs and the inner workings of a computer. Additionally, students will explore topics including the hardware and software used in performing common computing tasks, appropriate and responsible use of existing and emerging technology tools for decision making, computer aided communication and collaboration, productivity applications, the relationship between data and information, the information processing cycle, data mining, and problem solving. Students will learn to use a variety of software applications to access, organize, and present information. Learning activities include word processing projects, examining data using spreadsheets, organizing data and information using databases, and coding.

Computer Technology Level 2

(10 credits)

Grade 11

Level II students will expand their studies to include the Java programming language. The course will emphasize structured programming techniques in procedural programs, and object-oriented programming techniques. Students will cover control structures, arrays, strings, and external data. Students will also explore their learning to include HTML5 and various web page development skills. Students will grant the opportunity to work hands-on with various community partners with webpage management and development. By the end of this course, students will participate in the MTA-Developer Exam.

Computer Technology Level 3

(10 credits)

Grade 12

Level III students will get more hands-on experience regarding their knowledge of JAVA programming, PC repair and hardware application. Students will expand their knowledge to include work with micro controllers and also hardware applications through our student helpdesk. The course will provide opportunities for students to apply the skills relevant to working at a computer repair help desk including customer service skills. Topics discussed in this course include: help desk concepts, roles and responsibilities, help desk operations, help desk processes and procedures, tools and technologies, performance measures, customer satisfaction, listening and communication skills, solving and preventing problems, and training. By the end of this course, students will participate in the NOCTI Exam.

Certificates:

- NOCTI
- MTA Developer

Related Occupations:

- Computer System Analysts
- Computer Programmers
- Computer Network Architects
- Computer User Support Specialist
- IT Project Manager
- Computer Hardware Engineer
- Network & Computer System Administrators

Cosmetology

The Cosmetology program provides students with 1,000 hours of state-approved instruction and hands-on skill development required for professional licensure. Over the three-course sequence, students gain comprehensive training in hair, skin, and nail care while mastering industry-standard techniques and safety practices. Upon completion, students are eligible to sit for the New Jersey State Board of Cosmetology exam and, pending successful results, earn their NJ Licensed Cosmetologist certification, preparing them for immediate entry into the beauty industry.

Cosmetology Level 1

(10 credits)

Grade 10

Level I is specifically designed to prepare its graduates for licensing requirements established by the N. J. State Board of Cosmetology/Hairstyling. This license is mandatory to practice cosmetology in the State of New Jersey. Vocational students are required to earn a high school diploma, complete at least 1000 hours of prescribed cosmetology training, and pass the written and practical portions of the State Board examination, in order to be licensed. Good attendance is essential to meet these requirements and is strictly enforced by the district. In this introductory course, students will be exposed to career opportunities, life skills, professional image, infection control, skin structure and diseases, nail structure, diseases and disorders. Additionally students will learn about the hair and scalp, basic chemistry as well as care for hair, skin and nails.

Cosmetology Level 2

(10 credits)

Grade 11

Level II is specifically designed to prepare its graduates for licensing requirements established by the N. J. State Board of Cosmetology/Hairstyling. This license is mandatory to practice cosmetology in the State of New Jersey. Vocational students are required to earn a high school diploma, complete at least 1000 hours of prescribed cosmetology training, and pass the written and practical portions of the State Board examination, in order to be licensed. Good attendance is essential to meet these requirements and is strictly enforced by the district. This course will build upon prior skills reviewed in Cosmetology Level 1, however, will build upon the sciences behind hair, skin, and nail issues.

Cosmetology Level 3

(20 credits)

Grade 12

Level III is specifically designed to prepare its graduates for licensing requirements established by the N. J. State Board of Cosmetology/Hairstyling. This license is mandatory to practice cosmetology in the State of New Jersey. Vocational students are required to earn a high school diploma, complete at least 1000 hours of prescribed cosmetology training, and pass the written and practical portions of the State Board examination, in order to be licensed. Good attendance is essential to meet these requirements and is strictly enforced by the district. This course will build upon prior skills reviewed in Cosmetology Levels 1 and Level 2, however, will focus more on business regulations and practical skills for successful completion in attaining Cosmetology board certification.

Certificates:

- Certificate of Hrs
- Certificate of Completion

License:

- NJ Board of Cosmetology and Hairstyling Professional License

Related Occupations:

- Hair Designer
- Barber
- Nail Technician
- Shampoo Assistant
- Skincare Specialist
- Make-Up Artist
- Mortuary Make-Up Artist

Culinary Arts/Hospitality

The Culinary Arts Program provides students with hands-on experience in the preparation, service, and managerial tasks involved in the foodservice and hospitality industries. The student will receive hands-on practical experience on a daily basis in facilities identical to those found in the industry (student run restaurant, catering school events and hotel). This hands-on experience will be enhanced through classroom theory. Students will find Culinary Arts an excellent route to prepare them for admission to any post-secondary culinary program or prepare them for direct entry into industry. By the end of this program, students will successfully attain their Servsafe sanitation certification (pending exam results). **This program offers advanced credit opportunities at a post-secondary institution.**

Culinary Arts Level 1

(10 credits)

Grade 10

Level I students will be exposed to both Cooking and Baking/Pastry within the Culinary Arts career cluster. Through their semester rotations, students will be exposed and build upon fundamental skills within each area, all while achieving workplace readiness for both cooking and baking. Within the cooking rotations, students will develop fundamental skills in safety, knife skills, sanitation, workplace organization, equipment, Breakfast and Lunch cookery, fruits and vegetables, starches, soups, stocks, sauces. In the bake shop, students will learn about safety, knife skills, Culinary Math, equipment, baking terminology, quick breads, cookies, brownies, cakes, icing, pies, pudding and nutrition.

Culinary Arts Level 2

(10 credits)

Grade 11

Level II students will continue their studies in both Cooking and Baking/Pastry within the Culinary Arts career cluster. Through their semester rotations, students will continue to build upon the fundamental skills learned in Culinary Arts Level 1, all while achieving workplace readiness for both cooking and baking. Within the cooking rotations, students will continue learning fundamental skills in safety, knife skills, Servsafe certification exam, workplace organization, equipment, Chicken, Pork, Beef and Seafood units will be covered. Students will begin advanced plating and complete meals. In the bake shop, students will learn about safety, quick breads, cookies, brownies, pies, gluten, cakes, custards/cheesecakes, meringues, yeast, and breads.

Culinary Arts Level 3

(15 credits)

Grade 12

Level III students will finish their studies within both Cooking and Baking/Pastry within the Culinary Arts career cluster. Through their semester rotations, students will master fundamental skills within each area, all while achieving workplace readiness for both cooking and baking. Within the cooking rotations, students will conclude their studies working at our own restaurant The Perch. Students will develop menu planning, learning how to build relationships with purveyors and assisting in ordering food items to execute service. Students will also have the unique opportunity to cook and serve guests, while rotating cooking stations (Saute, Grill, Garde Manger, Fry) that will enhance their workplace skills. In the bake shop, students conclude their studies with safety, pies, tiered cakes, custards/cheesecakes, meringues, breads, laminated dough, pate-a-choux, menu creation, icecream, and plating.

Certificates:

-ServSafe



Related Occupations:

- Chef
- Line cook
- Food Preparation Workers
- Food Service Workers
- Food Service Managers

Dental Assisting

In this high school Dental Assisting program, learners will explore modern dentistry with a course built for curious, hands-on learners who love to explore how things work. This dental CTE program gives students a front-row seat to the skills, tools, and techniques used by real dental professionals. Inside the dental lab, students will gain practical experience and knowledge where every lesson is designed to build confidence and spark curiosity through practical, lab-based experiences. To bring the industry to life, guest speakers from a variety of dental careers such as hygienists, assistants, lab technicians, and more will share their journeys and insights. By the end of the program, students will not only understand how the dental field works but also discover exciting career paths they may never have considered. Upon program completion, Cape Tech graduates will be given priority enrollment in the successful Adult CODA Dental Program at Cape Tech. The adult program will provide students the opportunity to enroll in the Radiation Health & Safety course to obtain a NJ x-ray license and further studies to obtain their RDA License.

Dental Assisting Level 1

(10 credits)

Grade 10

Level 1 Dental Assisting will emphasize tooth identification, charting, models, impressions, medical terminology, basic dental terminology, General Dentistry which includes restorative, cosmetic dentistry, and the specialty of Endodontics. Students will use the computers to perform dental business office activities such as patient registration, medical/dental histories, and treatment and dental insurance forms.

Dental Assisting Level 2

(10 credits)

Grade 11

Dental Assisting Level 2 encourages students to apply their dental skills through continued work exposure with the WBL coordinator as well as participation within the HOSA competitions. In-class support will be available weekly to strengthen and enhance the students' knowledge and skills mastery. Students will become competent regarding chair-side and front desk skills necessary for employment. Also, at this level, students will become certified in CPR (as this is mandatory for rotation in a dental office), along with a certification in First Aid through the American Heart Association. In this course, students will study pharmacology, general studies, chairside, anatomy and physiology, office emergencies and various office/leadership skills.

Dental Assisting Level 3

(10 credits)

Grade 12

Level 3 Dental Assisting encourages students to apply their dental skills through various Work Based Learning opportunities and to compete in HOSA competitions throughout the year. Students will become competent regarding chair-side and front desk skills necessary for employment. Students will study extensive dental terminology, dental pharmacology, continue the specialties of dentistry which include Orthodontics, Periodontics, Pedodontics, and Fixed Prosthodontics. General anatomy and physiology along with Forensic Dentistry will be introduced at this time as well. At this level, students will begin preparing for the American Medical Technologist exam for Dental Assistants.

Certificates:

- CPR/First Aide
- NOCTI
- America Medical Technologist

Related Occupations:

- Chairside Assistant
- Receptionist
- Orthodontics
- Sterilization Technician
- Dentist
- Dental Hygienist

Electrical Trades

The Electrical courses offer an introduction to the concepts of electrical technology. Classroom and shop instruction introduces the student to electrical safety, tools, wiring systems, residential installation, device wiring, overcurrent protection/grounding, the service entrance, prints and specifications, branch-circuit, feeder, and service design, and swimming pools. The SkillsUSA student organization provides additional opportunities for leadership and competitive events at local and state levels.

Electrical Trades Level 1 (10 credits) Grade 10

This introductory course in Electrical Trades gives students a hands-on foundation in the skills and knowledge used by electrical professionals. Students learn safe work practices, explore electrical energy fundamentals, and apply concepts like measurement and Ohm's Law through practical lab activities. The course also introduces wiring systems, planning and installation techniques, specialized installations, and the basics of servicing existing electrical systems. Throughout the class, students become familiar with the National Electrical Code and the expectations of a real shop environment, preparing them for more advanced coursework and future opportunities in the electrical trades.

Electrical Trades Level 2 (10 credits) Grade 11

This second-level course in Electrical Trades expands students' skills with a deeper focus on real-world electrical systems. Learners move from foundational knowledge into residential and introductory commercial wiring, motors, and basic motor control. Alongside theory, students complete hands-on projects that reinforce technical accuracy and problem-solving. Topics include the history of U.S. industry and infrastructure, power generation and transmission, power distribution, conduit bending, and continued study of the National Electrical Code. Students also review safety expectations, and build confidence working with tools and systems used throughout the electrical trades.

Electrical Trades Level 3 (10 credits) Grade 12

This third-year course in Electrical Trades builds deep technical skill through both theory and hands-on application. Students explore alternating current, motor theory and operation, electric lighting, conduit bending, cable tray systems, conductor installations, and proper terminations and splicing. They also work with pull and junction boxes, grounding and bonding practices, and the functions of circuit breakers, fuses, and control systems. Throughout the year, students strengthen safety knowledge while earning their OSHA 10 certification. They also have opportunities to prepare for SkillsUSA competitions, practice for the IBEW apprenticeship exam, and participate in CIE experiences. The course concludes with students taking the NOCTI exam in May, demonstrating their readiness for advanced training and entry into the electrical trades.

Certificates:

- OSHA 10
- NOCTI

Related Occupations:

- Apprentice
- Electrician
- Journeyman
- Commercial
- Residential
- Electrician
- Electrical
- Contractor
- Lineman

Environmental Science & Sustainability

Environmental Science & Sustainability is a multidisciplinary program that focuses on the application of biological, chemical, and physical principles to the study of the physical environment and the solution of environmental problems, including subjects such as abating or controlling environmental pollution and degradation; the interaction between human society and the natural environment; and natural resources management. The topics include related instruction in biology, chemistry, physics, geosciences, climatology, statistics, and mathematical modeling. This is a three-year course of study for high school students grades 10-12, which follows a grade 9 career exploration to refine a choice of Career and Technical Education pathways. **This program offers advanced credit opportunities at a post-secondary institution.**

ES & Sustainable Energy Level 1 (10 credits) Grade 10

Level I of this program introduces students to environmental systems and natural resources. Additionally, students will be exposed and study climate change, aquaculture, and agricultural impacts to the environment. Students will have hands-on experiences by studying soil, testing water quality, and managing a greenhouse.

ES & Sustainable Energy Level 2 (10 credits) Grade 11

Level II of this program builds upon prior skills and topics but in more depth. Students will learn about the various fields within ecology, including population dynamics, community ecology, and agroecology. Students will have hands-on experiences in managing agricultural land for wildlife, conducting habitat surveys, running the school's fish aquaculture ponds, and managing beehives. Additionally, students will take field trips to learn about oyster aquaculture and its importance to the local economy and ecosystem health. In this course students will explore beekeeping and may be eligible to obtain their BeeKeeper's License.

ES & Sustainable Energy Level 3 (10 credits) Grade 12

Level III prepares students for the workforce through advanced environmental science, resource management, and industry-aligned technical skills. Students engage in fisheries, wildlife, and forestry management; GIS and geospatial mapping; and environmental stewardship initiatives. Seniors gain hands-on experience conducting field studies, managing habitats, performing population surveys, and leading sustainability projects. Students may earn hunting and trapper education certifications and participate in work-based learning and internships with local oyster and shellfish aquaculture partners to study coastal ecology and sustainable seafood production. Students conclude the year by completing an environmental science research project applying their skills to real-world issues.

Certificates:

- Beekeeper
- National FFA Organization Membership

Related

Occupations:

- Wildlife biologist
- Fisheries biologist
- Game warden
- Environmental science technician
- Water and Wastewater Treatment Operator
- Naturalist
- Ecotourism tour guide
- Remote sensing technician
- Habitat manager
- Environmental consultant

Future Educator

In this program, students study the development of children from conception through adolescence, with an emphasis on the physical, cognitive, social and emotional development of the child. The on-site lab school, Little Hawks Academy, allows students an opportunity for hands-on experiences in planning and implementing lessons and observing preschool aged children. This program is a foundation for any student wanting to pursue a career in education or working with children in any capacity. Students may successfully attain their CPR/AED certification and earn their NOCTI certification upon program completion. Additionally, students are eligible in this program for WBL opportunities at various sites within Cape May County. **This program offers advanced credit opportunities at a post-secondary institution.**

Future Educator Level 1

(10 credits)

Grade 10

Level I introduces students to psychology including child/adolescent and educational. The course covers the physical, cognitive, emotional and social development in humans from the womb through adolescence. Students will understand how the basic physical, cognitive, emotional and social changes in the body and brain during childhood and adolescence are important factors for healthy growth. Additionally, the course will focus on the application of the principles of psychology and how they relate to the teaching and learning process. Students will participate and observe within the Little Hawks Academy.

Future Educator Level 2

(10 credits)

Grade 11

Level II addresses the professional characteristics and historical development of teaching as a profession. It explores all the various career pathways within the Education field and discusses the various roles and responsibilities of each. Additionally, students will learn about the history of the American Education system, examine trends and issues as well as develop an awareness of the needs of individuals with exceptionalities. The course will provide an overview of select teacher education programs and students will participate in a more hands-on role within the Little Hawks Academy, providing fine/gross motor options for children daily.

Future Educator Level 3

(10 credits)

Grade 12

Level III course will focus on internship preparation for students within the Little Hawks Academy, within the school building or in the community. Students will perform observations, evaluations and learn about the importance of collaboration, classroom management, equity and lesson plan development. Following this course, students will be prepared to either enter a post-secondary degree program for Education or enter the field as a classroom aide.

Certificates:

- First Aid
- CPR
- NOCTI



Related Occupations:

- PreK-12 Teachers
- Education & Childcare Administrators
- Teaching Assistants
- Social Workers
- Therapists
- Counselors
- Special Ed. Teachers

HVAC-R/Sustainable Energy

This program includes activities that exercises industry aligned skills such as measuring, soldering, brazing, pipe fitting, gas piping, ductwork, wiring, building and service of electrical mechanical systems with refrigerants. Every project is a real-world built practicing skills of designing, installing, and diagnosing furnaces and air conditioning systems. In this program, students will attain EPA Universal 608 Refrigerant License, a 410A Refrigerant Safety Certification-ESCO, Gastite Certification, OSHA 10 Hour Construction Safety Certification, and Basic Refrigeration Cert-ESCO (pending exam results). **This program offers advanced credit opportunities at a post-secondary institution.**

HVAC-R/Sustainable Energy Level 1 (10 credits) Grade 10

Level I of HVAC-R and Sustainable Energy is focused on safety, knowledge, and skill sets to apply numerous tools and materials to the building structure. This includes the foundations of electricity and activities such as measuring, soldering, brazing, flaring, gas piping, ductwork, and wiring as well as their application to the building structure.

HVAC-R/Sustainable Energy Level 2 (10 credits) Grade 11

Level II moves into the design, installation, and diagnosis of furnaces and air conditioning systems. The student will gain knowledge and hands-on skills in refrigerant cycles, pressure temperature measurements, charging, sequence of operation, furnace ignition assemblies, heat loads, controls, and troubleshooting. In this course, students will be involved with testing to receive the field required gas line certification.

HVAC-R/Sustainable Energy Level 3 (10 credits) Grade 12

Level III students continue to work with refrigeration cycles as they move on to heat pumps and geothermal heating and cooling systems. During this year we integrate our green and sustainable components into our whole building designs to handle needed heat, heat removal, and electrical loads. This will include gas fired boiler projects, ventilation, photovoltaics, as well as other sustainable solutions. Students will be involved with testing to receive the EPA mandated Universal Refrigerant 608 Certification and the R-410A Safety Cert.

Certificates:

- EPA Universal 608 Refrigerant License
- OSHA 10



Related

Occupations:

- HVAC/R Mechanic & Installer
- Energy Engineer
- Maintenance & Repair Worker
- Mechanical Engineer
- Geothermal Technician

Law & Public Safety

The program is divided into Levels and is organized to provide a logical approach to understanding the operation of criminal justice and public safety in the United States. It gives an overview of the entire criminal justice response to crime, the stages of the process from the commission of crime through the law enforcement response and the administration (courts and prosecution) to corrections. The course also introduces students to the mechanics of firefighting and identifies the interdisciplinary nature of emergency response. By the end of this program, students will have participated in completing or working towards completion in the following certifications: BLS, 911 Emergency Communication Officer, Special Law Enforcement Officer Class One (optional), Cadet Firefighter I (pending program requirements). **This program offers advanced credit opportunities at a post-secondary institution.**

Law Enforcement & Public Safety Level 1 (10 credits) Grade 10

Level I students will complete two courses; Introduction to Criminal Justice and Juvenile Delinquency. Introduction to Criminal Justice is organized to provide a logical approach to understanding the operation of the criminal justice system through a brief overview of three agencies of the criminal justice system: police, courts and corrections. Juvenile Delinquency explains the concept, theory, and social, community and environmental influences on juvenile delinquency.

Law Enforcement & Public Safety Level 2 (10 credits) Grade 11

Level II students will complete four courses; Criminal Investigation, Firefighter I, Criminal Law and Basic Life Saving (BLS). Criminal Investigation provides a detailed overview of crime scene investigation from the preliminary investigation to the written report of investigation. Firefighter I is an introduction to the firefighting service. Criminal Law is that form of the law that defines and specifies punishments for offenses of a public nature or for wrongs committed against the state or against society. Basic Life Saving (BLS) is the type of care that first responders and public safety professionals provide to anyone who is experiencing cardiac arrest, respiratory distress or an obstructed airway. It requires knowledge and skills in cardiopulmonary resuscitation (CPR), using automated external defibrillators (AED) and relieving airway obstructions in patients of every age.

Law Enforcement & Public Safety Level 3 (10 credits) Grade 12

Level III students will complete four courses; Public Safety Telecommunicator (9-1-1 Dispatcher), Homeland Security and Terrorism, Class One Special Law Enforcement Officer (SLEO), and Emergency Medical Technician (EMT). Students can receive Public Safety Telecommunicator, SLEO and EMT certifications given they satisfy all program requirements and hours. Upon successful program completion, CMT L&PS students will be provided an opportunity for recommendation for employment with various agencies (via Advisory Board members).

Certificates:

- Professional Rescuer
- 911 Emergency Communication Officer
- SLEO Class One Officer (pending program requirements)
- Firefighter I (pending program requirements)
- EMT (pending program requirements)

Related Occupations:

- Patrol Officer
- Firefighters
- Paramedic
- Coast Guard
- Detective
- Lawyer
- Health & Safety Engineer
- Military LE Forensics

Marine Maintenance

The program utilizes modern engine technology and test equipment to help enhance skills in the theory, maintenance, and troubleshooting of outboard and inboard marine engines. Students will develop a working knowledge of marine systems such as electrical, mechanical, cooling, fuel, boat design and construction, and trailer maintenance. The program has access to waterfront facilities, where students will operate and maintain vessels. This program is partnered with Yamaha as well as the Delaware River Bay Authority (DRBA). Upon satisfactory completion of this program, the student will gain credentials within Yamaha Service Skills Training and worked towards attaining a TWIC card and a Merchant Mariner Credential (MMC). Within this program, over three years, students will gain “sea time” towards the 360-hour requirement, attain their Boater’s Safety certificate and also OSHA 10.

Marine Maintenance Level 1 (10 credits) Grade 10

Level 1 will provide a solid foundation in all of the structural, mechanical, and electrical systems found in marine watercraft. Troubleshooting and repair are emphasized. Students will be able to disassemble and rebuild inboard and outboard engines, outdrives, electrical and trailer components. Complete hull maintenance and care procedures are covered. In this level 1 course, students will learn about the fundamentals of Marine Maintenance, and by the end of this course, students will have successfully completed Yamaha’s Introduction to Outboard Systems course and Introduction to Jet Propulsion certifications. Additionally, students will begin to learn about the ins and outs of boat detailing. **Upon completion of this course, students will obtain their NJ Boater’s License.**

Marine Maintenance Level 2 (10 credits) Grade 11

In the Level 2 course, students will continue their studies with outboard and inboard systems concentrating **their efforts to attain 5 additional certificates with Yamaha in their Maintenance Certification Program (MCP)**. MCP students will leave the Yamaha Technical School Partner with certified maintenance competencies that prepare them to be immediately profitable in Yamaha dealership service departments. Through this program, students will be exposed to sea time abroad at the Cape Lewes Ferry, attain their TWIC card as well as their Merchant Mariner Credential. These credentials lead to WBL opportunities for Level 3 Marine Maintenance students.

Marine Maintenance Level 3 (10 credits) Grade 12

In the Level 3 course, students will continue their studies with outboard and inboard systems concentrating **their efforts to attain 5 additional certificates with Yamaha in their Maintenance Certification Program (MCP)- specifically for Inline F150 & V Engine- 4.2L Offshore engines**. Additionally, in this course, students will begin the task of learning about detailing, upholstery, welding, fabrication, autobody work, fire safety, HAZMAT, winterization procedures, and basic safety training (inland, coastal & ocean). Students will continue to learn about career opportunities with the Cape May Lewes Ferry, gaining sea time of 360-hour requirement for direct employment. These credentials and hour requirements lead to WBL opportunities for Level 3 Marine Maintenance students.

Certificates:

- NJ Boaters License
- Yamaha Outboard Systems
- Yamaha Intro to Jet Propulsions
- Yamaha MCP
- TWIC Card
- Merchant Mariner Credential

Related Occupations:

- Seaman, Wiper
- Night Vessel Operator
- Deck Hand
- Boat Rigger
- Parts, Sales or Service Manager
- Diesel & Gasoline Engine Technician
- Commercial Diver
- Motorboat Mech and Service Tech
- Marine Upholsterers
- Ship Repair and Fabrication Technician

Partnerships

- Yamaha
- DRBA
- Marine Max
- Various Marinas

Marine Science (Natural Science)

In this program, students learn a wide variety of topics, through lab and field work, in the areas of marine biology, oceanography, conservation, commercial fisheries, aquaculture studies and much more. Activities include marine and ecological systems studies, animal/tank care, boater's safety, conservation and management projects, and involvement in the National FFA Organization. By the end of this program, students will have successfully completed and attained their NJ Boaters Safety Certificate. Additionally, through the Class of 2028, students will receive Hunter's Safety certification and Trappers Safety certification. Pending availability, students in this program may be eligible to participate in achieving their scuba diving certification.

Marine Sciences Level 1

(10 credits)

Grade 10

Level 1 students will participate in a hands-on introduction to boater safety, aquarium science, marine ecosystems, and human impacts on the ocean. Students learn the parts and operation of small watercraft, essential boating laws, and safe decisionmaking on the water. Students will set up and maintain aquariums, care for live organisms, and analyze water-quality data to understand ecosystem health. The level will explore major ocean habitats, species adaptations, food webs, natural selection, and the cycles that drive marine systems. Students will also study local marine species, aquaculture practices, and the management of natural resources, examining how human activities, climate change, and sustainability practices shape the future of coastal and marine environments.

Marine Sciences Level 2

(10 credits)

Grade 11

Level 2 students will deepen their field and analytical skills through hands-on study of marine organisms, habitats and environmental issues. Students will classify marine life using taxonomic terms, practice professional sampling techniques and identify local species with field guides and keys. Students will collect, visualize and interpret data, strengthen scientific communication through individual and group presentations. The course will examine human impacts such as climate change, pollution, and overfishing, while teaching students to use research tools and data analysis to understand and evaluate marine ecosystems. Students will advance their understanding of classroom animals as well as their FFA membership and SAE.

Marine Sciences Level 3

(10 credits)

Grade 12

Level 3 students will dive deeply into oceanography through an advanced study of the ocean's physical, chemical, geological, and biological systems. The course uses case studies and investigations of current marine issues at the local, regional, and national levels to connect scientific concepts to real-world challenges. Students will examine how oceanography relates to their personal interests, potential career paths, and the broader history of scientific discovery. By the end of the course, each student completes and defends a senior project aligned with the Natural Resources Systems career cluster, demonstrating mastery of higher-level marine science skills and knowledge.

Certificates:

- NJ Boaters Safety Certificate
- National FFA Organization Membership



Related Occupations:

- Industrial Ecologists
- Conservation Scientists
- Natural Science Manager
- Park Naturalists
- Forest & Conservation Technicians
- Fisheries Observer
- Wildlife Biologist
- Veterinary Technician

Pre-Engineering

Pre-Engineering teaches students to effectively know how to design products and develop processes that revolve around different types of problems. All levels use portions of the nationally recognized engineering curriculum from Project Lead the Way (www.pltw.org). In this program, students will learn various engineering fields but also learn hands-on manufacturing engineering technology; students will use 3D printers, laser cutters, CNC Router, and Vex Robots. Cloud based computer aided design (CAD) software is often used and helps develop experience using tools that allow for students to be competitive in a national and worldwide workforce. Due to the technical nature of the course and subject material, a strong background and aptitude in mathematics, science, and basic computer technical skills are highly suggested. **This program offers advanced credit opportunities at a post-secondary institution.**

Pre-Engineering Level 1

(10 credits)

Grade 10

Level I is designed to expose students to a variety of engineering-related fields and topics in a project based learning environment. Successful completion of Level I will prepare students for college by providing a foundation in the Introduction to Engineering Design content area. Pre-Engineering Level I focuses on several areas of general engineering concepts including the engineering design process, solid modeling, rapid prototyping, global communication and collaboration, and technical writing.

Pre-Engineering Level 2

(10 credits)

Grade 11

Level II is designed to expose students to a variety of engineering-related fields and topics in a project based learning environment. Successful completion of Level II will prepare students for college by providing a foundation in the Principles of Engineering content area. Pre-Engineering Level II focuses on the four main engineering careers: Mechanical, Electrical, Civil, and Chemical Engineering. Lessons include but are not limited to the engineering design process, rapid prototyping, mechanisms, structures, materials, robotics and automation, kinematics, statistics, global communication and collaboration, and technical writing.

Pre-Engineering Level 3

(10 credits)

Grade 12

Level III program of study is designed to simulate a college level engineering design class. Successful completion of Level III will prepare students for college by providing a foundation in the Engineering Design and Development content area. Pre-Engineering Level III focuses on specific engineering careers that relate to student interests and hobbies. Lessons include but are not limited to the engineering design process, (rapid) prototyping, project management, research and development, market research, project budgeting, standard operating procedures, test procedure development, statistical analysis, global communication and collaboration, and technical writing.

Related Occupations:

- Civil Engineer
- Mechanical Engineer
- Architectural & Engineering Manager
- Environmental Engineer
- Solar Energy Systems Engineer

Powersports

Powersports is an instructional program that prepares individuals to troubleshoot, service, and repair a variety of small internal-combustion engines, involving both two and four cycle engines used on portable power equipment. Planned activities will allow students to become knowledgeable of fundamental principles and technical skills related to troubleshooting, repairing, identifying parts and making precision measurements. Safety will be a key component of this class. Students will also be exposed to career opportunities related to small engines. By the end of this program, students have an opportunity to take ASE aligned assessments towards NATEF certifications as well as YAMAHA Outboard System Certification. This program is affiliated with Yamaha Motorsports.

Powersports Level 1

(10 credits)

Grade 10

Level I provides industry safety as students are prepared for entry-level positions in the field. Students are able to diagnose problems on small engines such as ATVs, motorcycles and Jet Skis, then develop and implement a plan to repair. Level 1 students will be introduced to motorcycles, ARVs, UTVs and Scooters. They will learn the proper tools, equipment and measuring associated with the trade. Studies will include an overview of engines, fuel systems and basic electrical theory.

Powersports Level 2

(10 credits)

Grade 11

Level II students will build upon the previous level by reinforcing industry safety, introducing more advanced topics and diagnosing Yamaha outboard systems. Students will continue their studies to include ignition systems, battery systems, electrical accessories, lubrication systems, cooling, exhaust, brakes and tires. **Additionally, all Level 2 students will complete and test for certification in Yamaha Outboard Systems.**

Powersports Level 3

(10 credits)

Grade 12

Level III will be the culminating course for this program which builds in complex tasks and diagnosing. Students will continue to exercise independence in diagnosing and repairing issues on small engines such as ATVs, motorcycles and Jet Skis. Level 3 students will develop skills in chassis, suspension and steering diagnosis and repair, wheel alignment diagnosis adjustment & repair, wheel & tire diagnosis/repair, and advanced engine diagnostics of fuel and ignition management of related systems. **In this program, students have the opportunity to sit for applicable ASE/NATEF certifications.**

Certificates:

-ASE Certifications



-YAMAHA Outboard Systems



Related Occupations:

-Outdoor Power Equipment Mechanic
-Automotive Engineer
-Mechanical Engineer
-Wind Turbine Service Technicians

Veterinary Science

Veterinary Science is a multi-level program designed for students interested in pursuing careers in fields such as veterinary assistant or technician, kennel assistant, groomer, animal laboratory assistant, stable hand, or pet product retail facility. Graduates of the program will possess the skills and competencies required for Level One Veterinary Assistant employment at an animal hospital as well as a foundation for pursuing post-secondary education. Upon completion of this course plus 300 hours in the field, students can receive preparation to become a Certified Veterinary Assistant - Level One. Through this program, students will gain their American Heart Association BLS certification as well as Fear Free Certification. **This program offers advanced credit opportunities at a post-secondary institution.**

Veterinary Science Level 1 (10 credits) Grade 10

Level 1 is designed to introduce basic animal anatomy and physiology, veterinary terminology, grooming of small animals, sanitation of the veterinary hospital and kennel, and principles of dentistry. Students will get an overview of the veterinary profession and be able to describe the educational requirements of veterinary team members. Additionally, students will learn more detailed anatomy and physiology, root words, prefixes, suffixes of the vocabulary used in the veterinary field. More intricate grooming procedures will be introduced as well as continued cleaning & sanitation procedures. Concepts of small animal restraint will be covered, as well as canine, feline, and equine breed characteristics and medical problems. Students will begin restraining small animals, primarily canines, and utilize their knowledge of animal behavior to problem solve for completion of grooming tasks. They will also be introduced to large animal husbandry and nutrition.

Veterinary Science Level 2 (10 credits) Grade 11

Level 2 introduces students to disease mechanisms that can be prevented through vaccines and preventive medications, administering injections, taking patient histories, receptionist skills, a basic study of endoparasites and ectoparasites, preventive medications and treatments will be discussed as well as PPE (personal protective equipment). This course will also study small and large animal medical nursing and will include introductory level material related to the care of animals, first aid, surgical instrumentation and assistance, aseptic technique, and surgical nursing. This course will also offer a dual credit opportunity with Rowan College of South Jersey which is aligned with Rowan University's Veterinary Program.

Veterinary Science Level 3 (10 credits) Grade 12

Level 3 is designed to expand upon previously learned topics as well as advanced veterinary nursing. Additionally, students will cover emergency and critical care procedures, and animal nutrition. Additionally, principles of pharmacology will also be covered; students will learn to convert weights, fill prescriptions, medication dosing, and fluid conversions. Students will explore how to formulate a specific diet for different animal species, how to use different feeding methods for well and sick pets, and learn the basic nutrient classes and requirements for a healthy diet. Also to be covered is neonatal care of the puppy, kitten, and basic dietary requirements of birds, reptiles, and small mammals. **This course will prepare students for the level one national certification test for veterinary assistants.**

Certificates:

- CPR AHA BLS
- OSHA 10
- CVA Level 1
- National FFA Organization Membership

Related Occupations:

- Veterinary Tech
- Kennel Assistant
- Groomer
- Animal Lab Assistant
- Stable Hand
- Animal Behaviorist
- Animal Control Officer
- Veterinarian

Partnerships:

- CMC Animal Shelter
- CMC Zoo
- Local Veterinary Hospitals

Welding

In this program, students are trained in the use of the oxy-acetylene process which includes metal cutting, welding, brazing and soldering. Various types of arc welding such as shielded metal arc welding, gas tungsten arc welding and gas metal arc welding, are taught in-depth. Welding students will understand and practice: terminology, safety, set-up and shut-down of all welding equipment and related tools of the trade; learning Gas Tungsten Arc Welding (GTAW) and Gas Metal Arc Welding (GMAW); and, laying out and fabricating school projects and experiential learning in community. By the end of this program, pending exam results, students have the opportunity to attain AWS 1G certification.

Welding Level 1

(10 credits)

Grade 10

Level I will provide students with an introduction into the welding field. The practical experiences in the shop are designed to broadly qualify the student for employment in the construction and repair industry and the boat building and repair industry. Students are trained in the use of the oxy-acetylene process, which includes metal cutting, welding, brazing and soldering. The various types of arc welding such as shielded metal ARC (SMAW) metal inert gas (MIG) and tungsten inert gas (TIG) are taught in depth. Level 1 students will be taught how to weld, focusing on learning and practicing cutting, brazing and soldering, and high-energy beam welding. Students will explore welding as a career and participate in the integration of academics, vocational, evaluation, technology and social skills required of becoming a welder.

Welding Level 2

(10 credits)

Grade 11

Level II course builds on the introduction to welding in the previous course with regards to the various types of arc welding. Additionally, students will continue to be trained in the use of the oxy-acetylene process, which includes metal cutting, welding, brazing and soldering. Students in this level will be taught how to weld, specifically they will focus on solid state welding ferrous and non-ferrous materials, oxidation-reduction using the GTAW and GMAW process. They will explore welding as a career and participate in the integration of academics, vocational, evaluation, technology and social skills required of becoming a welder.

Welding Level 3

(10 credits)

Grade 12

Level III course culminates in the introduction to the Welding trade for students. Students in this level will be taught how to weld, specifically they will focus on welding metallurgy, welding processes and heat treating structural design, safety and applicable codes and standards including the AWS Certification. They will explore welding as a career and participate in the integration of academics, vocational, evaluation, technology and social skills required of becoming a welder.

Certificates:

-AWS 1G credential



Related Occupations:

- Welding, Soldering & Brazing Machine Setters, Operators & Tenders
- Welders, Cutters, Solderers & Brazers
- Material Engineer
- Industrial Machinery Mechanic
- Commercial Diver

English

The mission of Cape May County Technical Schools English Language Arts (ELA) department is to develop analytical skills through reading, writing and listening. Students will develop digital, media and global literacy skills applicable to all areas of language arts, including reading, writing, listening, viewing, and speaking; students will understand the variety of literary forms (stories, poems, plays, and essays among them) and their authors' purpose; students will develop an appreciation for the written word by writing, and writing often; and finally, students learn to apply these skills to practical, work-related communications.

English 9 (College Prep)

Grade 9

5 credits

This course is a college preparatory class for first year high school students which will provide a continuation of instruction in English skills and will prepare the students for success in future courses. Students will build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will be introduced to various genres of classical and contemporary narrative and informational texts, while developing and enhancing their grammar and writing skills. Upon satisfactory completion of this course, the student will have developed the skills to write and speak using the correct conventions of the English language while developing the skills to begin analyzing Literary works of fiction/non-fiction as a prerequisite for English 10.

English 9 (Honors)

Grade 9

5 credits

This course is an Honors college preparatory class for first year high school students that covers the requirements of English 9. It is designed with the college bound student in mind, focusing on organization, study and test taking skills in addition to the study of genres in literature. This course is a college preparatory class for first year high school students which will provide a continuation of instruction in English skills and will prepare the students for success in future courses. Students will build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will be introduced to various genres of classical and contemporary narrative and informational texts, while developing and enhancing their grammar and writing skills. Upon satisfactory completion of this course, the student will have developed the skills to write and speak using the correct conventions of the English language while developing the skills to begin analyzing Literary works of fiction/non-fiction as a prerequisite for English 10. The successful honors English 9 student is highly self-motivated, accountable for his performance, and eager to apply constructive criticism from his instructor to further his reading, writing, speaking, listening, presentation, and technology skills.

English 10 (College Prep)

Grade 10

5 credits

This course is designed to provide 10th grade students with an expanded knowledge of subjects and concepts introduced in the English 9 class. In this course, students will receive an overview of American literature from the founding of the nation to contemporary pieces. Literary study will be infused with historical applications for a better understanding of the social and historical context of the readings. Literary terms and elements of poetry will be discussed throughout this course. Vocabulary will include literary terminology as well as general terminology important for high school students to learn. Grammar instruction will be given through various writing assignments culminating in a Literary Analysis Essay on the "American Dream".

English 10 (Honors)

Grade 10

5 credits

Prerequisites: English 9, Teacher recommendation

This course is an Honors level course designed to provide 10th grade students with an expanded knowledge of subjects

and concepts introduced in the English 9 class. This course is designed for highly self-motivated, accountable, and flexible students. Students will receive an overview of American literature from the founding of the nation to contemporary pieces. Literary study will be infused with historical applications for a better understanding of the social and historical context of the readings. Literary terms and elements of poetry will be discussed throughout this course. Vocabulary will include literary terminology as well as general terminology important for high school students to learn. Grammar instruction will be given through various writing assignments culminating in a Literary Analysis Essay on the “American Dream”.

English 11 (College Prep)

Grade 11

5 credits

Students will receive an overview of British literature from early Anglo-Saxon to Modern. Literary study will be infused with historical applications for a better understanding of the social and historical context of the readings. Literary terms and elements of poetry will be discussed throughout this course. Students will continue advancement towards more mature, refined writing skills. Students will read and analyze works, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and collaborative discussions. Students will also practice state required assessments skills in terms of grammar, vocabulary, usage, mechanics and comprehension. Through a sequential and challenging curriculum, our students will become proficient readers, effective writers, active listeners and articulate speakers. Students learn to respect various points of view while displaying creative, collaborative, and critical thinking skills.

English 11 (Honors)

Grade 11

5 credits

Prerequisites: English 11, Teacher recommendation

This Honors course is intended for students who have been identified as being capable of succeeding at an advanced level of English and whose pace is accelerated. There is a greater demand and expectation that students work independently both inside and outside of class while possessing both above proficiency in reading, writing and critical thinking skills as well as developing reading stamina by completing full novels outside of class for application in the classroom. There are also a greater number of required writing assignments. Students will develop a more detailed focus on British literature from early Anglo-Saxon to Modern. Literary study will be infused with historical applications for a better understanding of the social and historical context of the readings. Literary terms and elements of poetry will be discussed throughout this course. Students will continue advancement towards more mature, refined writing skills. Students will read and analyze works, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and collaborative discussions. Students will also practice state required assessments skills in terms of grammar, vocabulary, usage, mechanics and comprehension. Through a sequential and challenging curriculum, our students will become proficient readers, effective writers, active listeners and articulate speakers. Students learn to respect various points of view while displaying creative, collaborative, and critical thinking skills. This course will prepare students for both the English IV Honors course as well as, potentially, the Advanced Placement college level course offered to seniors.

English 12 (College Prep)

Grade 12

5 credits

This course is a survey of the fundamental literature from around the world across many centuries. In an increasingly global society, this opportunity to explore other cultures is extremely valuable to a shared future. A primary objective of this course is to give students the opportunity to develop an understanding of foundational texts that have shaped not only literature but culture. This course will focus on professional exploration, resume and cover letters, scholarship information and an overview of the college admissions process. The course will focus on several forms of literature: novels, plays, poetry, short stories, and non-fiction. Writing assignments will range from independent reflection to structured essay and research writing. The course will also include grammar study and etymology as a way of learning more about language, improving writing skills, and enhancing skills needed to be successful on standardized or placement tests. As the final course in high school it will require students to apply CTE, professional,

college-ready and 21st century skills to prepare for life after graduation in either the working world, college, or military.

English 12 (Honors)

Grade 12

5 credits

Prerequisites: Honors English 11, Teacher recommendation.

This Honors course is intended for students who have been identified as being capable of succeeding at an advanced level of English and whose pace is accelerated. There is a greater demand and expectation that students work independently both inside and outside of class while possessing both above proficiency in reading, writing and critical thinking skills as well as developing reading stamina by completing full novels outside of class for application in the classroom. In this honors level course, a structure similar to the college classroom encourages independent thought and self-reliance along with higher expectations of accountability. This course is a more detailed study of the fundamental literature from around the world across many centuries. In an increasingly global society, this opportunity to explore other cultures is extremely valuable to a shared future. A primary objective of this course is to give students the opportunity to develop an understanding of foundational texts that have shaped not only literature but culture. This course will focus on professional exploration, resume and cover letters, scholarship information and an overview of the college admissions process. The course will focus on several forms of literature: novels, plays, poetry, short stories, and non-fiction. Writing assignments will range from independent reflection to structured essay and research writing. The course will also include grammar study and etymology as a way of learning more about language, improving writing skills, and enhancing skills needed to be successful on standardized or placement tests. As the final course in high school it will require students to apply CTE, professional, college-ready and 21st century skills to prepare for life after graduation in either the working world, college, or military.

AP English Literature & Composition (*Dual Enrollment*)

Grade 12

5 credits

Prerequisites: Final grade of A in Honors English III and completion of summer homework

The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. The AP English Literature and Composition course aligns to an introductory college-level literature and writing curriculum. Students develop the skills of literary analysis and composition as they repeatedly practice analyzing poetry and prose, then compose arguments about an interpretation of a literary work. Challenging summer homework will be required for all students taking this course. Summer Homework will be a significant portion of students' quarter one grades. This AP course will count as a 4th year English course. Failure will result in summer school. This course also offers students the opportunity to not only earn college credits through mastery on the AP exam in May but also opportunities for dual-credit enrollment.

Health and Physical Education

The mission of the Cape May County Technical School's Health/PE department is to inform and improve upon physical, emotional and mental wellness that will serve students beyond their high school career. Curricula and instruction is designed to promote and develop fine/gross motor skills, knowledge and behaviors for physical activity beyond the school day. Students will gain knowledge and skills in advocating and caring for themselves, interacting with others and understanding the consequences of certain choices.

Health & Physical Education 9

Grade 9

5 credits

All grade 9 students receive a full year of Health and Physical Education combined, with health being offered 45 days of the school year and Physical Education being offered the other 135 days. For physical education, students will rotate through various team sports, strength & conditioning and group fitness/activities. In health, students will focus mostly on reproductive and sexual health, pregnancy, birth, contraception, and sexually transmitted diseases.

Driver's Ed. & Physical Education 10

Grade 10

5 credits

All grade 10 students receive a full year of Driver's Education and Physical Education combined, with Driver's Education being offered 45 days of the school year and Physical Education being offered the other 135 days. For physical education, students will rotate through various team sports, strength & conditioning and group fitness/activities. In Driver's Education, students will review the NJ Driver's Manual and take the assessment. Additionally, students will have the opportunity, after school, to complete their 6 mandatory hours with Cape May Tech Instructors. In this course, students will be certified through Cape Assist's program for Teen Mental Health First Aid.

Health & Physical Education 11

Grade 11

5 credits

All grade 11 students receive a full year of Health Education and Physical Education combined, with Health being offered 45 days of the school year and Physical Education being offered the other 135 days. For physical education, students will rotate through various team sports, strength & conditioning and group fitness/activities. In Health, students will learn about the importance of digital citizenship, stress management, abuse prevention, family life and alcohol, tobacco and other drug effects.

Health & Physical Education 12

Grade 12

5 credits

All grade 12 students receive a full year of Health Education and Physical Education combined, with Health being offered 45 days of the school year and Physical Education being offered the other 135 days. For physical education, students will rotate through various team sports, strength & conditioning and group fitness/activities. In Health, students will talk about maintaining a healthy lifestyle, the impact food has on your health, emergency protocol including first aid, CPR, AED and organ donation as well as the causes/effects of infectious diseases.

Mathematics

The mission of Cape May County Technical School's Mathematics department is to develop application based skills that prepare students to become productive citizens and employees. Our goal is to provide a high quality education that emulates rigor and relevance; we strive for our students to realize their full potential and believe they can be successful.

Algebra 1 (College Prep)

Grade 9

5 credits

Algebra I is a fundamental introduction to the use of Algebra as a problem solving and quantitative tool. Numbers are introduced as objects through the use of sets, operations, and basic manipulations of those objects represented by variables, to be used to answer questions read from real world applications. Students will strengthen their analytical writing skills by accurately describing the solutions to those problems. These concepts lead into techniques of graphing and working with systems of linear equations and inequalities. Exponents and powers greater than one will be covered through the use of quadratic functions and their graphs. Students can look forward to probability, sequences, and series, and counting methods being introduced through fun and exciting games. This course is designed to begin preparing students for various high stakes math tests.

Algebra 1 (Honors)

Grade 9

5 credits

Honors Algebra I is a more in depth and faster paced introduction to the use of Algebra as a problem solving and quantitative tool. Students will strengthen their analytic writing skills by accurately describing the solutions to these problems with in-depth explanations. These concepts lead into advanced techniques of graphing and working with multiple systems of linear equations and inequalities. Exponents and powers greater than one will be covered through the use of quadratic functions and their graphs. Exponents and powers greater than one will also be covered through advanced manipulations of variables, using exponential rules. Radical and rational expressions will be covered through the use of one's knowledge of exponents and quadratics. Students will look forward to probability, sequences, series, and counting methods being introduced through fun and exciting games. This course is designed to begin preparing students for various high stakes math tests.

Geometry (College Prep)

Grade 10

5 credits

Prerequisite: Algebra 1

Geometry is designed to use methods of reasoning to solve problems. Students will learn about angles and segment relationships, proofs, parallel and perpendicular lines, congruent triangles, quadrilaterals, similarity, right triangles, trigonometry, transformations, area, surface area, volume, and circles. Students will be able to apply their algebra skills to the geometric properties. This course is designed to begin preparing students for various high stakes math tests.

Geometry (Honors)

Grade 10

5 credits

Prerequisite: Algebra 1

Honors Geometry is designed to give the advanced student the opportunity to study the topics of geometry at more depth and at a faster rate. Emphasis is placed on traditional Euclidean geometry and coordinate geometry, geometric properties, spatial relationships, angle relationships, deductive and inductive reasoning and proofs. This course is designed to use methods of reasoning to solve problems. Students will learn about angles and segment relationships, proofs, parallel and perpendicular lines, congruent triangles, quadrilaterals, similarity, right triangles, trigonometry, transformations, area, surface area, volume, and circles. Students will be

able to apply their algebra skills to the geometric properties. This course is designed to begin preparing students for various high stakes math tests.

Algebra 2 (College Prep)

Grade 11

5 credits

Prerequisite: Algebra 1 and Geometry

Algebra II is a continuation of the skills learned in Algebra I. Students will be introduced to the concept of a number as an object, and the use of functions as a framework that builds a relationship between numbers of one set to numbers of another set. Topics from Algebra I such as exponents and powers, quadratic functions, and their graphs will be expanded upon. New topics will include an intensive examination of logarithmic, and exponential functions. Additional discussions will include probability and counting, and the summations and manipulations of sequences and series. Student writing and reading skills will be strengthened through analytical projects, which are both challenging and enjoyable. This course is designed to begin preparing students for various high stakes math tests.

Algebra 2 (Honors)

Grade 11

5 credits

Prerequisite: Algebra 1 and Geometry

Honors Algebra II is designed to give the more advanced student the opportunity to study the topics in an Algebra II course at an accelerated and more in-depth level. Topics include quadratic equations, rational expressions, irrational and complex numbers, functions, and sequences and series. This course is designed to begin preparing students for various high stakes math tests.

Pre-Calculus (College Prep)

Grade 11, 12

5 credits

Prerequisite: Geometry and Algebra 2

Pre-Calculus is a continuation of the more advanced concepts of Algebra and Geometry integrated with the study of analytic and triangle trigonometry. The course is designed for students with a strong background in mathematics. Functions are explored in great detail including polynomial, rational, logarithmic, trigonometric and inverse trigonometric. Students can then focus on understanding the relationship and behavior of the function, in preparation for the advanced study of calculus. Students further explore functions in real-life situations, including science, economics, biology and navigation. Skills in analysis, reasoning and making connections are stressed throughout the course. This course is a traditional fourth course pathway for the NJSLS-M standards, and all standards covered are at a reinforcement level and advanced level, as mastery was expected in the prerequisite courses.

Pre-Calculus (Honors) (Dual Enrollment)

Grade 11, 12

5 credits

Prerequisite: Geometry and Algebra 2

Honors Pre-Calculus will focus intense study of algebraic functions (polynomial, rational, radical) and transcendental functions (exponential, logarithmic). Students will be required to solve problems graphically, analytically, and numerically. Students will study ratios, functions, identities, radian measurements, vectors, polar coordinates, inverse functions, and the theory of equations. It allows students to discover the relationships between the parts of a triangle, trigonometric functions, and practical problems relating to these functions. This course provides for a solid transition to the study of Calculus. Students enrolled in Pre-Calculus have the option to also be enrolled in a dual credit program available through the Richard Stockton College of New Jersey and/or ACCC.

AP Calculus AB (Dual Enrollment)

Grade 12

5 credits

Prerequisite: Honors Pre-calculus with a 93 or above average and teacher recommendation

Advanced Placement Calculus AB is comparable to calculus courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement or both from institutions of higher learning. The course teaches all topics associated with Functions, Graphs and Limits; Derivatives; and Integrals. The course provides students with the opportunity to work with functions represented in a variety of ways (graphically, numerically, analytically, and verbally) and emphasizes the connections among these representations. Students enrolled in AP Calculus have the option to also be enrolled in a dual credit program available through the Richard Stockton College of New Jersey and/or ACCC.

Science

The Cape May County Technical School's Science department is designed as a complete and comprehensive program for use by students of varying ability levels and learning styles, and will present the information in an academically solid, well-sequenced, student-friendly manner. Activities include laboratory exercises, field experiences, use of electronic media, and topical events. These will be integrated with concurrent academic and vocational programs. Students will acquire the science skills necessary for understanding Science and how it applies to the real world.

Biology (College Prep)

Grade 9

5 credits

In Biology, students will develop an understanding of the fundamental principles that characterize living organisms. Students will explore biological science as a process, cell structure and function, genetics, evolution, and the ecological roles of living organisms. The student will be involved in various hands-on activities and labs, which will stimulate interest in the subject matter. Activities will include laboratory exercises, field experiences, use of electronic media, research, writing lab reports, and designing presentations. Through these activities, students will acquire science skills necessary in understanding the process of life and will be prepared for various high stakes assessments.

Biology (Honors) (Potential Dual Enrollment)

Grade 9

5 credits

Honors Biology is designed for the advanced student who is interested in a comprehensive biology course that is fast-paced and explores in-depth content. Students will develop an understanding of the fundamental principles that characterize living organisms. Students will explore biological science as a process, cell structure and function, genetics, evolution, and the ecological roles of living organisms. Independent research and project work will be emphasized. Through these activities, students will acquire science skills necessary in understanding the process of life and will be prepared for various high stakes assessments.

Chemistry (College Prep)

Grade 10

5 credits

Prerequisite: Biology

Chemistry is a laboratory and inquiry-based science course in which students investigate the composition of matter and the physical and chemical changes it undergoes. Computer-based and traditional laboratory techniques will be used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: acid and bases, atomic structure, chemical bonding, chemical equilibrium, chemical quantities, chemical reactions, environmental chemistry, gas laws, properties of matter, the periodic table, scientific measurements, solutions, and stoichiometry. Activities include laboratory exercises, field experiences, use of electronic media, and topical events. These will be integrated with concurrent academic and vocational programs. Students will acquire the science skills necessary for understanding chemistry and how it applies to the real world. Through these activities, students will acquire science skills necessary in understanding the process of life and will be prepared for various high stakes assessments.

Chemistry (Honors)

Grade 10

5 credits

Prerequisite: Biology Honors Chemistry is designed to give the more advanced student the opportunity to study the topics of chemistry, what they are composed of, how their properties are related to their composition, and how one substance interacts with another. Computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. As an Honors course, the pacing will be quicker than the CP level and the material will go into more depth. Also covered are the fundamental theories and principles involved in all chemical reactions through a series of lab experiments. Through these activities, students will acquire science skills necessary in understanding the process of life and will be prepared for various high stakes assessments.

Physics (College Prep)**Grade 11****5 credits****Prerequisite: Biology, Chemistry**

Physics provides students with a scientific explanation of the physical world and is the study of matter and energy. In this course, computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. With this hands-on approach, students will utilize laboratory tools to perform scientific inquiry and student-centered learning and perform laboratory experiments to discover the mathematical relationships that describe physical phenomena.

Physics (Honors)**Grade 11****5 credits****Prerequisite: Biology, Chemistry, Geometry**

Honors Physics is geared to the more advanced students in math and science who are planning a career in engineering or similar pursuits. In this class, the focus will center upon lab activities and mathematics to describe and predict the behavior of objects of all sizes, from electrons to planets in the solar system. Topics will include motion, forces, energy, waves, light, sound, electricity, and magnetism. This course prepares students for the New Jersey Student Learning Assessment- Science (NJSLA-S).

AP Physics 1 (*Science Elective*)**Grade 11, 12****5 credits**

Prerequisite: AP level requires an A average in Honors Algebra II or concurrently taking Honors Algebra II, Honors Physics Recommended.

AP Physics I is designed to be equivalent to a first year college course in Physics. Students can obtain college credit for this course by scoring well on the AP exam in May. AP Physics I is the second of a two- year sequence that is designed to prepare students to take the AP Physics I examination. This course emphasizes problem solving in the context of the principles of physical laws and principles as well as the ability to apply that knowledge and skill to phenomena in either an experimental or theoretical setting. Great attention is given to strengthening and reinforcing the natural connections between the sciences and mathematics; these same skills will be developed theoretically and through hands-on applications. Students will be involved in problem solving activities individually and collaboratively.

Social Studies

The mission of the Cape May County Technical School's Social Studies department is to develop civically minded, nationally and globally aware, socially responsible citizens. Curricula, activities and assessments will consider multiple perspectives, value diversity and promote cultural awareness. Students will learn to appreciate global dynamics among people, places and resources. Through inquiry based instruction, students will learn to make informed decisions about local, state, national, and global issues.

World History (College Prep)

Grade 9

5 credits

This World History course will examine the impact of the European Renaissance and Reformation, the reach of European exploration, and the establishment of the Atlantic trade networks. Analyzing the last years of the czar, age of enlightenment, age of revolutions and Industrialization. Utilize resources to examine the World Wars, Post War, Cold War, and the expansion of democracy leading to an interdependent world. A focus on reading and writing will be implemented in this course along with an emphasis on civics, sociology, philosophy, and geography.

World History (Honors)

Grade 9

5 credits

This Honors World History course will examine the impact of the European Renaissance and Reformation, the reach of European exploration, and the establishment of the Atlantic trade networks. Analyzing the last years of the czar, age of enlightenment, age of revolutions and Industrialization. Utilize resources to examine the World Wars, Post War, Cold War, and the expansion of democracy leading to an interdependent world. A focus on reading and writing will be implemented in this course along with an emphasis on civics, sociology, philosophy, and geography. In this honors course, students will actively participate and make valuable contributions to project-based and flipped class learning opportunities, including the examination of primary and secondary sources and digital, media and global literacy resources such as videos, podcasts, and historical organizations and their curated materials. Throughout this course, emphasis will be placed on critical thinking, reading and writing skills.

United States History I (College Prep)

Grade 10

5 credits

This US History course is designed to trace the development of the United States from the time of the American Revolution, through the period of Reconstruction, to Politics and Reform of the Progressive Era. This course is designed to ensure that students receive a strong fundamental knowledge of the important and significant topics in American history. A focus on reading and writing will be implemented in this course along with an emphasis on geography. Upon successful completion of this course, students will have gained an appreciation for the contributions made by diverse ethnic and racial groups living within the boundaries of the United States. Students will demonstrate an understanding through discussion and assessment of the evolving social, economic, and political systems that form the foundation of our nation.

United States History I (Honors)

Grade 10

5 credits

Honors United States History I is an advanced course geared more towards independent learners. The curriculum will trace the development of the United States from the time of the American Revolution, through the period of Reconstruction, to Politics and Reform of the Progressive Era. This course is designed to ensure that students receive a strong fundamental knowledge of the important and significant topics in American history. A focus on reading and writing will be implemented in this course along with an emphasis on geography. Upon successful completion of this course, students will have gained an appreciation for the contributions made by diverse ethnic and racial groups living within the boundaries of the United States. Students will demonstrate an understanding through discussion and assessment of the evolving social, economic, and political systems that form the foundation of our nation.

United States History II (College Prep)	Grade 11	5 credits
<p>This course will examine modern American history, roughly 1890 to the present, through the following themes: American democracy, civil rights and liberties, economic development, conflict and cooperation, geography and environment, the influence of technology, the individual and family life, humanities and religion, cultural diversity and the role of the US in world affairs.</p>		
United States History II (Honors)	Grade 11	5 credits
<p>This course will examine modern American history, roughly 1870 to the present, through the following themes: American democracy, civil rights and liberties, economic development, conflict and cooperation, geography and environment, the influence of technology, the individual and family life, humanities and religion, cultural diversity and the role of the US in world affairs. In addition, students will actively participate and make valuable contributions to project-based and flipped class learning opportunities, including the examination of primary and secondary sources and digital, media and global literacy resources such as videos, podcasts, and historical organizations and their curated materials. Throughout this course, emphasis will be placed on critical thinking, reading and writing skills.</p>		
AP Government	Grade 12	5 credits
<p>Prerequisite: AP level requires an A average in completed Honors level course work in Social Studies.</p> <p>AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.</p>		

World Languages

The mission of the Cape May County Technical Schools World Language department is to inform, educate and expose students to different cultures and learn to appreciate similarities and differences. Students will learn to communicate, connect, and compare as well as the culture and community of their chosen language. Our goal is to provide students an opportunity to learn a new language and strive for excellence.

Spanish I

Grade 9-12

5 credits

Spanish I is a student-centered introductory course designed to teach the student conversational Spanish. The course promotes communication in the target language. The focus areas are communication, comprehension, reading, writing and understanding the basics of Hispanic culture. The course provides a variety of small and large group interactive activities such as: dialogues, games, internet searches and innovative cultural projects and presentations. Student input and prior knowledge is included in the teachings of Spanish I. Upon satisfactory completion of this course, the student will have acquired a novice high proficiency level. They will be able to handle successfully a variety of basic communicative tasks necessary for survival in a Spanish speaking context. Students will have gained a deeper knowledge and understanding of the cultures of the Spanish-speaking world.

Spanish II

Grade 9-12

5 credits

Spanish II will be open to students who have successfully completed Spanish I. Students will use the Spanish language to engage in conversation, understand and interpret spoken and written language, present information, concepts and ideas while making connections with other disciplines, and compare the language/culture studied with their own. Students expand their vocabulary related to their daily lives in predictable settings and also explore the target cultures related to themes at the Novice High level and steadily moving towards the Intermediate low level in the ACTFL proficiency guidelines. Students are comparing and contrasting cultures and becoming more aware of global challenges and perspectives using culturally authentic resources. Upon satisfactory completion of this course, the student will have developed the skills to distinguish between past and present, analyze and compare cultural practices, products, and perspectives, participate in expanded conversations and respond appropriately to a variety of conversational prompts, and communicate more meaningfully using correct vocabulary and grammatical structures.

***For grade 9 students, enrollment may be dependent upon a placement exam.**

Spanish III (Dual Enrollment)

Grade 10-12

5 credits

Spanish III will be open to students who have successfully completed Spanish II. The course of study will continue to build on vocabulary, reading and writing. Students will progress through the Intermediate-Mid range in the ACTFL Proficiency Guidelines. Spanish III will continue to familiarize the student with the culture, geography, customs, holidays, and economies of Spanish-speaking countries while engaging in activities designed to develop the student's proficiency in the interpretive, interpersonal and presentational modes. Students express themselves and participate in conversations on familiar topics using sentences and series of sentences in various tenses and make comparisons. They handle short social interactions in everyday situations by asking and answering a variety of questions as well as communicate about self, others and everyday life. **Students in Spanish 3 are eligible to participate in the Seal of Biliteracy Exam. This course is a dual credit with ACCC.**

Spanish IV (Dual Enrollment)

Grade 11-12

5 credits

Spanish IV is a continuation of study in the Spanish Language and culture using situational conversation, technology, literature, art, and music to develop the student's ability to communicate. The student will be able to converse with

even more detail in a variety of tenses. Spanish IV continues to use thematic units based on real-life situations related to themes at the Intermediate Mid level and steadily moving towards the Intermediate High level in the ACTFL proficiency guidelines. Assessments vary from oral, written, and listening tests, quizzes, and projects. **Students in Spanish 4 are eligible to participate in the Seal of Biliteracy Exam. This course is a dual credit with ACCC.**

French I

Grade 9-12

5 credits

French I is an introductory course designed to teach the basics of French language and explore Francophone cultures around the world. Students will be active learners and engage in all modes of communication (interpretative, interpersonal and presentational) as lessons are aligned with the current NJ World Language Standards. Students will develop reading, writing, speaking, and listening skills in the target language at the Novice Mid-High proficiency level. This course combines traditional instruction with technology to provide a rich educational experience that cultivates essential communication skills. Students will engage in French projects that provide opportunities for practical application of a World Language in real world scenarios and support career ready practices. At the completion of this course, the students will be able to engage in basic conversations about daily life, provide and obtain information, express feelings/emotions, and question/exchange opinions in the target language.

French II

Grade 9-12

5 credits

French II is a continuation of French language and cultural studies. Students will further explore the French language and culture in more detail and build upon the instruction they received in French I. Students will be active learners and engage in all modes of communication (interpretative, interpersonal and presentational) as lessons are aligned with the current NJ World Language Standards. Students will develop reading, writing, speaking, and listening skills in the target language at the Novice High proficiency level. This course combines traditional instruction with technology to provide a rich educational experience that develops essential communication skills. Students will engage in French projects that provide opportunities for practical application of a World Language in real world scenarios, and strengthen career ready practices. At the completion of this course, the students will be able to communicate in French and exchange information using formal and informal vocabulary in multiple sentence strings, make plans, express doubt, and narrate a sequence of events using the present and past tenses. ***For grade 9 students, enrollment may be dependent upon a placement exam.**

French III (Dual Enrollment)

Grade 10-12

5 credits

French III is an in depth study of the French language and culture. Students will build upon the instruction they received in French I-II. Students will be active learners and engage in all modes of communication (interpretative, interpersonal and presentational) as lessons are aligned with the current NJ World Language Standards. Students will develop reading, writing, speaking, and listening skills in the target language at the Intermediate Low proficiency level. This course combines traditional instruction with technology to provide a rich educational experience that develops essential communication skills. Students will engage in French projects that provide opportunities for practical application of a World Language in real world scenarios and strengthen career ready practices. At the completion of this course, the students will be able to communicate using complex sentences and make queries, expressing their thoughts and opinions to others. They will be able to comprehend discourse between others in the language and as well as procure a deeper understanding of Francophone countries and their customs. **Students in French 3 are eligible to participate in the Seal of Biliteracy Exam.**

French IV (Dual Enrollment)

Grade 11-12

5 credits

French IV is an advanced study of French language, literature, and Francophone cultures. Students will further explore the French language and culture in more detail, build upon the instruction they received in French I-III, and explore authentic French literature. Students will be active learners and engage in all modes of communication

(interpretative, interpersonal and presentational) as lessons are aligned with the current NJ World Language Standards. Students will develop reading, writing, speaking, and listening skills in the target language at the Intermediate Low-Mid proficiency level. This course combines traditional instruction with technology to provide a rich educational experience that develops essential communication skills. Students will engage in French projects that provide opportunities for practical application of a World Language in real world scenarios and strengthen career ready practices. At the completion of this course, the students will be able to communicate in French using advanced grammatical structures, make queries expressing their thoughts and opinions to others on a variety of subjects, and analyze French literature. **Students in French 4 are eligible to participate in the Seal of Biliteracy Exam.**

ASL I **Grade 9-12** **5 credits**

ASL I is an introductory course in a total voice-off environment. The use of body language, posture, facial expressions, signing space, and fingerspelling will be strongly emphasized. In this course, students will learn concrete concepts in applicable role playing activities and continue to gain an in-depth understanding of Deaf Culture. This will be done through meet and greets with presenters (members of the Deaf community), and field trips (if applicable). Students will be introduced to common ASL practices, perspectives, and behavior patterns of the Deaf community.

ASL II **Grade 10-12** **5 credits**

The ASL level 2 course is a continued study of ASL in a total voice-off environment. The use of body language, posture, facial expressions, signing space, and fingerspelling will be strongly emphasized. In this course, students will learn how to move from concrete concepts to more abstract concepts; as well as more complex grammatical structures of ASL. Students will participate in role playing activities and continue to gain an in-depth understanding of Deaf Culture. This will be done through meet and greets with presenters (members of the Deaf community), field trips (if applicable), and ASL chats at various locations. Students will also be able to demonstrate fluency in ASL, understand the common practices, perspectives, and behavior patterns of the Deaf community.

Fine Arts Electives

The mission of the Cape May County Technical Schools Fine Art courses is to provide learners with non-academic benefits such as promoting self-esteem, motivation, aesthetic awareness, cultural exposure, creativity, improved emotional expression, as well as social harmony and appreciation of diversity.

Art I **Grade 10, 11, 12** **5 credits**

This course provides an introduction to visual art through an exploration of the elements of art and principles of design. Art I is a foundation level course open to all students interested in creating and thinking about art, regardless of previous artistic instruction or skill, with a focus on growth, effort and participation. Art I is an introductory course that provides a foundation for creation using the process of art, by brainstorming, planning, creating, revising and reflecting for each project. Students will solve a variety of design challenges by applying critical thinking and problem solving skills. Students will keep a sketchbook, learn about various cultures and art history and use inspiration to produce original works of art.

Art II (Dual Enrollment) **Grade 11, 12** **5 credits**

Prerequisite: Art I &/or teacher recommendation

This course provides an opportunity for students to expand on their drawing, painting and ceramics concepts and skills. Emphasis will be placed on understanding the elements of art and principles of design. This course will explore the creative process in 2D and 3D materials and techniques. Students will recognize and solve a variety of design challenges by applying critical thinking and problem solving skills. Art students will research, brainstorm, plan, create, revise and reflect with the process of art. Art history, cultures and contemporary themes will inspire ideas and connect to the projects. Throughout the course, students will have the opportunity to develop their own personal style and focus on a concentration to produce high quality work.

Ceramics **Grade 10, 11, 12** **5 credits**

This class introduces students to the craft of working with clay. Students will learn a variety of handbuilding techniques such as pinching, slab, coil, and drape to create unique ceramics pieces. Assignments will encourage problem solving skills in working with three dimensional form, while exploring the process of art by brainstorming, planning, sketching, creating, revising, and reflecting on each project. Throughout the year students will build upon and refine their clay techniques and skills. Students will use their creativity and personal art style to design and create beautiful works of art that will be enjoyed for a lifetime. Students will be required to follow important classroom rules, and safety procedures throughout the course.

Digital Photography **Grade 10, 11, 12** **5 credits**

Digital Photography introduces students to photographic compositional elements, principles of design, layout and lighting. Students will learn basic camera techniques, editing workflow, and creative thinking. They will explore the history of photography, learning about technological developments, important innovators in the field, and relevance within the digital world. Using industry-standard Adobe software, students will learn how to edit and organize images, as well as create graphic based designs using the images they have created.

Introduction to Fashion Design **Grade 10,11, 12** **5 credits**

Introduction to Fashion Merchandising and Apparel Development will promote critical thinking in students in the field of Fashion and Design with focus on career awareness, garment care and construction, consumer studies, technology

and history. The skills and knowledge will be obtained through class instructional demos, hands-on application, individual research and class collaborations.

Digital Production

Grades 10,11, 12

5 credits

Creating digital content utilizing a variety of tools and software will be of focus for this course. Students will learn about the different types of digital media, how they are used, and the impact it has on culture. Students will cover a variety of visual art categories including but not limited to: graphics, video production, audio production and web animation. This course is designed for non-Communication Arts CTE students.

Mythology (Dual Enrollment)

Grades 11, 12

5 credits

The Mythology elective is designed to enrich student experience and understanding of storytelling, oral tradition, cultures, structure of hero stories, as well as common archetypes, themes and motifs shown through diverse cultures all around the world throughout varied time periods. Evaluating ancient mythologies of Egyptian, Japanese and Norse cultures followed by examples of modernized myths such as Tolkien's Lord of the Rings, Lucas' Star Wars & modern myths, encourages high level analysis of patterns and purpose. This course also expands on concepts taught in not only the English classrooms but History, Art History and Communications / Media courses as well. By drawing correlations between context and narratives, students will better recognize and understand timeless values such as perseverance, responsibility, courage, fairness, problem-solving, self-reliance and compassion, as also seen through district Character Education. ***This course is a dual credit option with Atlantic Cape.***

Humanities Electives

The mission of the Cape May County Technical Schools Humanities Elective courses is to deepen analytical skills through reading, writing and listening. Students will enhance their digital, media and global literacy skills applicable to all areas of language arts, world language, and history. These courses which focus on advanced study and special topics help students to further develop specialized skills relevant to the humanities.

Criminal Law

Grade 11, 12

5 credits

This elective course will cover the basic principles of American Civil and Criminal Law; examine the theory of criminal justice and criminal law; the structure of the United States court system; due process guidelines; and an overview of forensic evidence collection. The course will also explore the courts; the courtroom; criminal trial sentencing; probation, parole and the community; the prison system -including prison life- and the juvenile justice system. Students will also analyze and debate current legal controversies and participate in mock trials and other role play simulations.

Civics & Citizenship

Grade 10, 11, 12

5 credits

This introductory course provides students with a practical foundation in American government and civic participation. Students explore the structure and function of government, citizens' rights and responsibilities, and current civic issues through discussion, projects, and real-world applications. Emphasis is placed on active engagement, with students participating in school-based leadership initiatives such as voting drives, class elections, and civic action projects.

Holocaust & Genocide Studies (*Dual Enrollment*)

Grade 11, 12

5 credits

This course provides a broad interdisciplinary study of the Holocaust and other genocides of the 20th and 21st centuries. This course addresses a central tenet of education: What does it mean to be a responsible citizen in a democratic society? Holocaust and Genocide Studies focuses on global awareness through a historical analysis of "man's inhumanity to man" as a means to foster universal responsibility and action to challenge indifference, explore bias, and confront prejudice. Students enrolled in this course have the option to also be enrolled in a dual credit program available through the Richard Stockton College of New Jersey.

Peer Leadership

Grade 11, 12

5 credits

The Peer Leadership program provides upperclassmen with an opportunity to work with freshmen as mentors, helping the ninth grade students with their transition to high school, introducing them to extracurricular and social opportunities, and discussing moral and ethical issues. The goal of the Peer Leadership program is to provide a platform for the older students in our community to model and cultivate positive character traits. Peer Leaders may also be called upon to serve in other leadership capacities for Cape May Tech as representatives at different events.

BOOST Program (*Building On Our Skills and Techniques*)

Grades 9-12

5 credits

This course is designed to provide additional academic support to students who need assistance as it relates to their English Language Arts and Mathematics studies. This course will explore study skills, organization, resiliency and various tools for success. In addition to targeted coursework, this class can satisfy the NJDOE's Financial Literacy

requirement through a hybrid learning environment. Students are enrolled in this course by teacher/specialist recommendation.

STEM Electives

The mission of the Cape May County Technical Schools STEM Elective courses is to deepen analytical skills through problem solving, operational reasoning, and the scientific method. Students will enhance their digital, media and global literacy skills applicable to all areas of math and science. These courses which focus on advanced study and special topics help students to further develop specialized skills relevant to STEM fields.

Botany & Horticulture

Grade 10, 11, 12

5 credits

This course is designed to introduce the student to the fundamental principles and practices of the Horticulture industry through the study of plant and soil science. Students will utilize Greenhouse 3 for applied labs where they will be exposed to the factors that are essential for optimum plant growth and will learn how to analyze the growth and development of plants. Students in this course will assist with the annual plant sale through their development of various house plants, ornamental plants and flowers.

Financial Literacy

Grade 11-12

5 credits

This 5 credit course will prepare students for the choices and challenges of life in an ever-changing world. In this course, students will establish an understanding of the relationship between income and career preparation to reach financial goals; develop and demonstrate a knowledge of banking necessities; and develop a sophisticated appreciation for credit, taxation, investments and financial planning. In addition, students will learn how to think critically, behave safely, and participate responsibly in the digital world. This course satisfies a NJ Graduation Requirement.

Forensics

Grade 10, 11, 12

5 credits

This introductory course provides students the opportunity to learn the scientific methods used to investigate crimes. In this course, students will develop strong observation skills, examine eyewitness reliability, and explore the role of forensic science in the justice system. Through hands-on labs and crime-scene simulations, students will learn how evidence is discovered, documented, collected, and analyzed, including hair, fibers, fingerprints, DNA, blood patterns, and toxicology.

Introduction Animal Science

Grades 10,11, 12

5 credits

This course will provide students with an introduction to animal science which teaches the biological science and management of animals. The course will introduce fundamental principles and functions important in animal science with emphasis on nutrition, reproduction, animal domestication and behavior, animal welfare and rights, genetics, and growth. Students will also learn about the various careers related to animal science including but not limited to Veterinarian, product research, and veterinary tech.

Introduction to Computer Repair & PC Building

Grade 11, 12

5 credits

This course introduces the fundamentals of computer hardware, software troubleshooting, and basic maintenance. Students learn to identify internal components, diagnose common issues, and perform safe repairs using industry-standard tools and techniques. Emphasis is placed on developing confidence, curiosity, and technical literacy. Students in this course may gain valuable work based learning opportunities with the district IT department.

Introduction to Dental Assisting	Grades 11, 12	5 credits
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This hands-on course introduces students to the fast-growing dental field, an industry with more than 149,000 dentist jobs in the U.S. alone and thousands more roles for hygienists, assistants, and lab technicians. Students will explore real lab skills in a state of the art lab space. Students will cover topics such as tooth identification, charting, impressions, and model creation while learning essential medical and dental terminology. Guest speakers from across the profession help students discover the wide range of career paths available in this expanding, in-demand industry.

Introduction to Electrical Trades	Grades 11, 12	5 credits
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This introductory Electrical Trades course gives students a hands-on foundation in the skills and knowledge used by electrical professionals. Students will review safe work practices, explore electrical energy fundamentals, and apply concepts like measurement and Ohm's Law through practical lab activities. The course also introduces wiring systems, planning and installation techniques, specialized installations, and the basics of servicing existing electrical systems. Throughout the class, students become familiar with the National Electrical Code and the expectations of a real shop environment, preparing them for more advanced coursework and future opportunities in the electrical trades.

Introduction to Marine Maintenance	Grades 10,11, 12	5 credits
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This course is designed to cover an introduction to the marine industry as well as the needed skills to work in it. This hands-on course will center upon work within the shop area including shop safety, basic terminology, careers, overview of two-stroke and four-stroke engines, overview of mechanical systems, basic repairs and boat maintenance. Students will be exposed to a variety of careers within the industry through guest speakers.

Introduction to Welding	Grades 11, 12	5 credits
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This course will provide students with an introduction into the welding field through a review of various processes, safety and industry standards. Students will learn how to use various equipment and tools within the shop. In this course, students will gain hands-on experience in shop safety, various welding equipment and processes, oxy acetylene, stick welding, as well as introduction to MIG and TIG welding. This course is designed for non-Welding CTE students.

Nutritional Programming & Personal Fitness	Grade 11, 12	5 credits
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This course is designed for students who are interested in furthering their knowledge in personal fitness and dietary science. Students in this course will learn about nutritional principles and how they support personal fitness goals. Additionally students will learn about kinesiology, fitness management, sports medicine and exercise science. At the culmination of this course, students have the knowledge necessary to pursue certification as a personal trainer.

Statistics (Dual Enrollment)	Grade 11, 12	5 credits
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Prerequisite: Algebra II

This course is designed for the student who wishes to explore a large range of mathematical topics with an emphasis on "real world" applications such as games of chance, random population, and actuarial science. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data, calculating simple theoretical probabilities, identifying the characteristics and applying theoretical probability distributions, and analyzing basic inferential statistical data. Students will regularly apply the tools of technology, including the graphing calculator and computer, to solve problems. They will be challenged through critical thinking exercises and participate in various group and individual activities that will enhance their mathematical reasoning ability and communication skills. **This course is a dual credit course with Atlantic Cape Community College.**

Sustainability & Environment (Dual Enrollment)**Grade 11, 12****5 credits**

Humans depend on environmental systems for the water we drink, food we eat, air we breathe and the places we live. Environmental Science and Sustainability is a course in which students are involved in a study of the physical, chemical, geological and biological aspects of the environment. Case studies and investigations of local, regional and national current events and concerns are used to connect students to environmental topics. Students will examine ways to create sustainable interactions between humans and the environment. Students also explore the relationships of the environment to their interests, to career opportunities and to the historical contributions of science. Additionally, in this course, students will take the Energy Industry Fundamental Credential in agreement with Atlantic City Electric. ***This course is dual enrollment with Stockton University.***