THE BOARD OF EDUCATION OF CAROLINE COUNTY

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CAROLINE COUNTY COURSE AND CREDIT REQUIREMENTS
FOR GRADUATION
(For students entering Grade 9 in 2013-2014 school year and beyond)

Core Subject	Credits Required
English	**4 credits**
Mathematics *(Each student shall enroll in a mathematics course in each year of high school that the student attends up to a maximum of 4 years)*	**4 credits** - 1 credit in Algebra I - 1 credit in Geometry - 2 credits beyond Algebra I
Science	**3 credits** - 1 credit in Biology - 2 credits that must include laboratory experience in any or all of the following areas: earth science, life sciences, physical sciences
Social Studies	**3 credits** - 1 credit in U.S. History - 1 credit in World History - 1 credit in local, state, national government
Financial Literacy	**1 credit**

Additional Course and Credit Requirements

Subject Area	Credits Required
Fine Arts	**1 credit**
Physical Education	**1 credit**
Health	**1 credit**
Technology Education	**1 credit**
Electives *AND*	**3 credits**
World Language	**2 credits**
OR	
Electives *AND*	**3 credits**
Advanced Technology	**2 credits**
OR	
CTE Completer Program Sequence	*(Credits may vary by CTE major)*

Students must meet all local school system requirements including attendance and service learning.

COLLEGE AND CAREER READINESS (CCR) REQUIREMENT OPTIONS
In order to be deemed College and Career Ready, students must meet one of the following requirements in each content area.

1. <u>College and Career Readiness and Assessment.</u> A high school junior and senior student to be deemed as college and career ready must meet one of the following criteria:

11th Grade								
	MCAP	SAT	ACT	AP	IB	Next-Generation ACCUPLACER	Dual Enroll.	GPA
English Language Arts (ELA)	**English 10 score of 750 satisfies the CCR determination	Old SAT Score of 500 or greater Evidence-based Reading & Writing (EBRW) Section New SAT Evidence Based Reading/Writing Score of 480	Score of 21 or greater Average of English Test & Reading Test scores	English Language & Composition Or English Literature & <u>Composition</u> Exam Score of 3, 4, or 5	Lang. A: Lit SL or HL Or Lang. A: Lang. & Lit. SL or HL Grade 4 or above on one or more	Writing score of 263 Reading score of 263	Admission to and enrollment in a Maryland IHE's appropriate ELA college credit-bearing course. Existing local agreements between LEAS and community colleges or CCR are accepted.	• The verified, cumulative, unweighted high school GPA of 3.0 or better be used to signify the college-readiness of the applicant; the GPA will have an expiration date of no less than 5 years, regarding its utility as a metric for college-readiness. As such, the applicant would not have to take the Accuplacer exam, or otherwise be restricted from registering for credit classes.
Math*	Algebra II Score of 750	Old SAT Score of 500 or greater Mathematics Section New SAT Score of 530	Score of 21 or greater on Mathematics Test	Calculus AB Calculus BC Statistics Exam Score of 3, 4, or 5	Math Studies Math SL Math HL Further Math Grade 4 or above on one or more	Score of 263 on Next-Generation Quantitative Reasoning Algebra, and Statistics (QAS) assessment for Intermediate Algebra; Liberal Arts Math; Topics in Math Literacy; First or only Statistics Course; Finite Math. Score of 272 on Next-Generation QAS for College Algebra; Concepts for Elementary Teachers I, II &III; AND ALSO: Intermediate Algebra; Liberal Arts Math; Topics in Math Literacy; First or only Statistics Course; Finite Math.	Admission to and enrollment in a Maryland IHE's appropriate math college credit bearing course. Existing local agreements between LEAs and community colleges or CCR are accepted.	• This measure does not apply to grades earned in English as a Second Language (ESL) courses. • The use of the recommended 3.0 or higher high school GPA, after junior year, as an alternative measure for College-Readiness at all Maryland community colleges will be in place by Fall 2019. • A review of the metric will occur within three years of the implementation of the new alternative measure.

**This satisfies the CCR designation for school year 2020-2021. Further research is being done to determine if additional years will be approved.

There are several college majors or pathways that may require a score higher than the minimal college readiness scores identified in the above chart. These majors are in the Science and Math fields, for example, an Associates of Science and Engineering degree requires a strong Math background. The minimally accepted indicated scores for those majors are as follows:

Next-Generation Accuplacer	SAT (new)	ACT
Score of 263 on Next-Generation Quantitative Reasoning Algebra, and Statistics (QAS) assessment for Intermediate Algebra; Liberal Arts Math; Topics in Math Literacy; First or only Statistics Course; Finite Math. Score of 272 on Next-Generation QAS for College Algebra; Concepts for Elementary Teachers I, II & III; AND ALSO: Intermediate Algebra; Liberal Arts Math; Topics in Math Literacy; First or only Statistics Course; Finite Math.	570	24

In the case where a student achieves a score in any of the above instruments that meets minimal college readiness levels but falls below the recognized readiness levels for specific majors as describe above, that student may be required to take credit- bearing, pre- requisite coursework.

Numerous LEAs have long standing local agreements with their community colleges that move students to credit-bearing coursework at their community colleges. These local agreements vary in scope based on past experiences ranging from acceptance of a certain level GPA with coursework review, to academic performance on a specific level of high school coursework.

This MOU recognizes the validity of these local agreements without specification of each individual agreement. Local agreements can be extended at the discretion of the community college and the LEA.

2. Ineligible. If a student is deemed not college and/or career ready (hereafter "CCR") at the end of 11th grade, the student is required to meet the criteria as established in the chart below in order to be eligible for dual enrollment:

	Senior Coursework
English Language Arts (ELA)	Complete an ELA transition course or an additional ELA "instructional opportunity" (online, hybrid, module, etc.) in preparation for re-assessment OR Enroll in a transition course articulated with a community college. These articulated college courses include, but are not limited to, Developmental English, courses approved by the community college as sufficient preparation for college, or courses that are taught by community college faculty.
MATH	Complete a math transition course or an additional math "instructional opportunity" (online, hybrid, module, etc.) in preparation for re-assessment OR Enroll in a transition course articulated with a community college

3. Reassessment. Reassessment criteria are identified below:

	Re-Assessment
English Language Arts (ELA)	Summative Course Assessment (externally validated by local community college) OR English 10 OR SAT/ACT OR Accuplacer OR AP Test OR IB Test
MATH	Summative Course Assessment (externally validated by local community college) OR MCAP Algebra II OR SAT/ACT OR Accuplacer OR AP Test OR IB Test

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PROMOTION & GRADUATION REQUIREMENTS

1. Promotion from one grade to the next will require the accumulation of credits based on the following schedule. The accumulation of earned credits (core and elective credits) will determine promotion to the next grade. The following minimum number of credits are required:

   Grades 9 to 10 - Earn six (6) credits, three (3) of which must be in the "CORE" subject areas of English, Mathematics, Science, or Social Studies.

   Grades 10 to 11 - Twelve (12) credits, including at least five (5) credits in the areas of English, Mathematics, Science, or Social Studies

   Grades 11 to 12 - Sixteen (16) credits, including at least eight (8) credits in the areas of English, Mathematics, Science, or Social Studies.

2. In order to qualify for a Maryland high school diploma from a public high school in Caroline County, students must meet the requirements established by the Maryland State Board of Education in Bylaw 13A.03.02.03 and the Caroline County Board of Education.

   A. Course and credit requirements for graduation are summarized on the chart on page 1.

   B. Assessment requirements for graduation are summarized on the chart on page 2.

   C. Students shall satisfactorily complete four years of approved study beyond the eighth grade unless a waiver is granted by the Superintendent of Schools in accordance with Board of Education Regulation III.C 33.40.01, <u>Alternatives to a Four-Year High School Enrollment.</u>

   D. **At least four credits must be earned after the completion of 11th grade.**

   E. Credits toward graduation may also be earned in the following ways with advanced approval:
      1. Summer Semester (credit recovery/make-up credit only)
      2. Evening Program
      3. Career Internship
      4. College Courses (Dual Enrollment)

   F. Credits earned in a state accredited non-public school will count toward graduation. Credits earned at an unaccredited non-public school must be validated according to procedures listed in Board Policy III.C.16, <u>Transfer of Students from Unaccredited Non-Public Schools.</u> No transfer of credit for courses in religious education will be accepted per the provisions of State Board of Education regulations, COMAR 13.A.04.05.01D.

   G. **Before a student will be permitted to participate in graduation exercises, he/she must have completed all graduation requirements and must have met all obligations to the school.**

   H. Any approved college course (three or four credits) that is part of the Dual Enrollment program will receive one (1) high school credit if a grade of D or better is earned. In addition, if the college course is substituted in place of a high school course, the grade (A-E) will count toward the student's grade point average. If more than one (1) college course is taken as a substitute for a high school course, then the student will designate in writing prior to the start of the semester the primary course for which the grade will count as part of the student's grade point average.

COLLEGE AND CAREER READINESS REQUIREMENTS

The College and Career Readiness and College Completion Act of 2013 (CCR-CCA) requires Maryland to prepare all students for college and careers upon graduation from high school. The goal in the law states that "at least 55% of Maryland's adults aged 25 to 64 years will hold at least an associate's degree by 2025." For local school systems, this goal can be achieved by building on the close relationships already established between the local school systems and the local community colleges.

In order to determine students College and Career Readiness in both Language Arts and Mathematics, all students will be assessed by the end of grade 11. Refer to the requirement options summarized on the chart on page 2. For those students qualifying as CCR by GPA, verified cumulative unweighted high school GPA of 3.0 or better can be used within Language Arts, and Mathematics separately.

Students who are accepted into a college credit bearing class in ELA or Math under the dual enrollment program are deemed to be College and Career ready in that content area.

Students who have not yet met the CCR designation by the end of 11th grade will continue to work toward this goal in their senior year. Students will be enrolled in transition courses or other learning opportunities prior to reassessment to be designated CCR.

Career/Technology Program (CTE) option for CCR designation:

CTE students are expected to meet the CCR designation in the same manner, with the same options as other students; however, if they *complete* a State-Approved Career and Technology Education Program of Study, they have an *additional reassessment option*: a Technical Skills Assessment, recognized by MSDE, leading to early college credit, or to a license or an industry certification.

ACADEMIC WAIVERS

Students who have junior or senior status may request an alternative to a four-year enrollment by presenting a completed application package that adheres to particular timelines outlined for each academic waiver. The following program options are available:

- Career Internship allows a student to gain work experience.
- Dual Enrollment allows a student to enroll in an approved college and earn credits that count as both college and high school credit. (Articulated agreement with Chesapeake College & Washington College).
- Early College Admission allows a student to attend an approved college or postsecondary school full-time during his or her senior year and to use those credits for high school graduation.
- Early Completion allows a student to complete after three and one-half years of attendance to attend college, vocational, technical or other post-secondary school program or the military full time, provided all other graduation requirements have been met.

Students on Academic Waivers who drop college courses must re-enter high school. Students who drop a dual enrollment course after the college drop and add period will be ineligible for graduation honors such as valedictorian and salutatorian.

ADMISSION REQUIREMENTS FOR STATE UNIVERSITIES & COLLEGES

Bowie State University	**Coppin State University**
Frostburg State University	**Salisbury University**
Towson University	**University of Baltimore**
University of MD, Baltimore	**University of MD, College Park**
University of MD, Eastern Shore	

As prescribed by the Board of Regents, the Maryland University System Universities listed above expect all applicants, at a minimum, to have completed by graduation the following coursework: 4 years of English, 3 years of Mathematics (a 4th year of Mathematics taken in the final year of high school that is at or above the level of Algebra II is strongly recommended. Computer Sciences Principles course does not satisfy this recommendation.), 3 years of History or Social Science, 3 years of Science in at least two different areas, with at least two lab experiences, and at least 2 years of the same World Language.

The above criteria represents the minimum requirements for admission. Successful applications typically present academic credentials that exceed the minimum, including: Advanced Placement (AP) courses, Dual Enrollment, and additional electives.

ARTICULATION AGREEMENTS

An **articulation agreement** is a written, formal document that specifies the process by which a high school student may earn college credit through successful completion of certain high school courses where students achieve learning outcomes, skills and abilities comparable to those covered in college courses. Generally, the college credit is not awarded until the student is enrolled at the college issuing the articulation agreement and until the student has satisfactorily completed a designated number of credit hours or terms. Because the courses involved are at the high school level, the student pays no tuition.

The opportunity for high school students to enroll in courses approved by a postsecondary institution for college credit comes through **transcripted credit** courses. The student is able to receive credit toward a high school diploma for such courses and upon graduating from high school may receive college credit from the postsecondary institution involved and other colleges and universities, which accept transfer credit from that postsecondary institution.

Program Name	Name of Institution offering credit bearing agreement
Academy of Health Professions	Chesapeake College Stevenson University
Advanced Manufacturing Professionals	Chesapeake College
Automotive Technician	Community College of Baltimore County Montgomery College Pennsylvania College of Technology
Computer-Aided Drafting & Design or Construction Technology	Chesapeake College
Curriculum for Agricultural Science (CASE)	Chesapeake College Institute of Applied Agriculture (UMCP) Rutgers University
Early Childhood Development	Chesapeake College
Firefighter & Emergency Medical Responder (MFRI)	Chesapeake College
Food & Beverage Management	Through various national partnerships

Homeland Security and Emergency Preparedness	Chesapeake College Frederick Community College University of Maryland University College
Project Lead the Way - Biomedical	Chesapeake College Stevenson University PLTW Affiliate College/Universities
Project Lead the Way-Computer Science	Chesapeake College
Project Lead the Way - Engineering	Rochester Institute of Technology University of Maryland Baltimore County University of Maryland Eastern Shore
Teacher Academy of Maryland	Bowie State University Chesapeake College Coppin State Frostburg State University Hood College Morgan State University Notre Dame University of Maryland Salisbury University Stevenson University St. Mary's College of Maryland Towson University

ASSESSMENTS

ACCESS for ELLs
ACCESS for ELLs is an adaptive test that responds to student performance. This assessment is given annually to English Language Learner students in Grades K-12. It tests students' language in four domains: Listening, Reading, Speaking, Writing.

Accuplacer Test
The Accuplacer Test is a placement test used by community colleges, four-year colleges, and technical schools around the world. This nationally-normed test provides fast, accurate assessment of an incoming college students' ability to access college freshman coursework. It also identifies students who need remedial coursework.

Advanced Placement Exams
The Advanced Placement Exams (AP) are given in May at both North Caroline High and Colonel Richardson High Schools. **Students who take AP courses are expected to take AP exams.** Over 400 college institutions may grant college credit to students who earn a qualifying score of 3, 4, or 5.

ACT
The American College Test (ACT) is a widely accepted college entrance exam. It assesses high school students' general educational development and their ability to complete college level work. The multiple-choice tests cover four skill areas: English, Mathematics, Reading, and Science. The Writing Test, which is optional, measures skills in planning and writing a short essay. Students should check with the college of their choice to determine which entrance exam is required by the institution. If a student qualifies for the free and reduced lunch program he/she qualifies for two free tests beginning in 11th grade.

ASVAB
The Armed Services Vocational Aptitude Battery (ASVAB) test is given to all juniors every year. The ASVAB is a comprehensive aptitude test and it is given, free of charge, to all juniors in our school system. An aptitude is the capability a student has developed through experience or education that indicates his/her current readiness to become proficient in a certain type of activity, given the opportunity to do so. The instrument provides comparative scores for verbal, math, science, and technical areas which are comparable to SAT results. A Department of Defense employee administers the test but the scores are not given to military recruiters unless the student gives permission. This is an excellent tool to use as students finalize his/her career choices.

Career and Technology Education Assessments
CTE students will have the opportunity to earn state-issued professional licenses, full industry certification or pathway industry certification by participating in various industry assessments.

High School Assessments
The Maryland Comprehensive Assessment Program (MCAP) includes Government High School Assessment (HSA), Maryland Integrated Science Assessment (MISA), Algebra I, Algebra II, and English 10.

PSAT

The Preliminary Scholastic Assessment Test (PSAT) gives students the opportunity to practice for the SAT I. The PSAT allows the student to find information about various colleges and enter scholarship competitions. Caroline County administers the PSAT to all 10th graders at no cost to the students. Eleventh grade students who elect to take the PSAT by paying the required testing fee and score well, may be eligible for the National Merit Scholarship. Students who take the PSAT are provided access to the College Board's Big Future program that indicates AP testing potential and allows them to search for colleges and prepare for the SAT.

SAT

The Scholastic Assessment Test (SAT) consists of two different tests, the SAT I and the SAT II. The SAT I measures a student's critical reading, mathematics and writing skills. It is used to assess the student's readiness for college level work. Caroline County administers the SAT I to all 11th graders at no cost to the students. The SAT II is designed to measure a student's knowledge in a specific subject and his/her ability to apply that knowledge. SAT II tests are available in areas such as literature, sciences, languages, math and history. Students should check with the college of their choice to determine which entrance exam is required by that institution. If a student qualifies for the free and reduced lunch program his/her qualifies for two free SAT tests beginning in 11th grade and four (4) free college applications.

ACTFL

The ACTFL Assessment of Performance toward Proficiency in Languages (AAPPL) is a performance assessment of standards-based language learning across the three modes of communication (Interpersonal, Presentational, and Interpretive) as defined by the National Standards for Foreign Language Learning. The AAPPL assesses Interpersonal Listening/Speaking, Presentational Writing, Interpretive Reading, and Interpretive Listening, and ratings are assigned according to the ACTFL Performance Descriptors for Language Learners.

BALANCED CURRICULUM

- Every student is **required** to take a course in English and Mathematics every year.

- Every student is **advised** to take a course in Science and Social Studies every year.

- Students may take only one Physical Education course per semester.

Caroline County Public Schools
Career Pathways and
Majors/Programs of Study

2021-2022 School Year

Career Pathways	Majors/Programs of Study
Career & Technology Education (CTE)	
Work Based Learning	Apprenticeship Maryland Program
Construction & Development	Computer Aided Drafting & Design Construction Technology
Consumer Services, Hospitality & Tourism	Careers in Cosmetology Food & Beverage Management (Prostart)
Environmental, Agricultural & Natural Resources	CASE (Curriculum for Agricultural Science)
Health & Biosciences	PLTW Biomedical Sciences Academy of Health Professions
Human Resources Services	Teacher Academy of Maryland (TAM) Fire Fighter and Emergency Medical Responder (MFRI) Early Childhood Education Homeland Security – Criminal Justice Military Service-Navy Junior Reserve Officers Training Course (NJROTC)
Information Technology	Computer Science
Manufacturing, Engineering & Technology	Advanced Manufacturing Professionals PLTW Engineering
Transportation Technologies	Automotive Technician (NAETEF)
Non-CTE	Liberal Arts Military Service

** Career Majors are identified as part of the Plan of Study completed in Grade 8.

CAROLINE COUNTY CAREER & TECHNOLOGY
COMPLETER PROGRAM SEQUENCES

CTE PARTICIPANT—The term 'CTE participant' means an individual who completes one CTE course in a career and technical education program of study.

CTE CONCENTRATOR—The term 'CTE concentrator' means a student who has successfully at least 50% of courses in a single career and technical education program or program of study and enrolled in the second half of the CTE Program.

CTE Completer - Students who are CTE concentrators are expected to complete all courses in a program of study (per Perkins V and MSDE) at which time they are considered a program completer.

Construction and Development: Advances in science and technology will continue to drive innovation in the design, construction, and maintenance of buildings and infrastructure, including new design concepts, construction materials and methods, and the application of information technology. Construction-related programs allow students to advance their knowledge in specific construction trades, design or construction management.

Construction Technology/Computer Aided Drafting and Design (CADD) I
80840   Foundations of Building and Construction Technology - CORE
871   Computer Aided Drafting and Design – CADD I
873   Residential and Light Commercial Construction Technology I
✶Must complete NCCER & CADD assessments.

Construction Technology/Computer Aided Drafting and Design (CADD) II
870   Fundamentals of Construction and Drafting
872   Computer Aided Drafting and Design II – CADD II
874   Residential and Light Commercial Construction Technology II
✶Must complete NCCER & CADD assessments

Consumer Services, Hospitality, and Tourism: Programs in consumer services, hospitality and tourism prepare students for a variety of career options. Each program includes options for students to earn industry certifications and college credit in the career field. Students, who are interested in culinary arts, restaurant management, lodging management, or cosmetology, engage in real-world experiences through internships and mentoring opportunities. These options allow students to apply their classroom instruction in meaningful ways and give them (through licensure or certification) a head start into the profession.

Cosmetology
835   Principles & Practices of Cosmetology
836   Advanced Cosmetology
837   Mastery of Cosmetology
838   Cosmetology Practicum
or
839   Cosmetology Practicum
✶Must complete State Board Examination in both theory and practice.

Food and Beverage Management (Prostart)
901   Food Service Professional I
903   Food Service Practicum I
902   Food Service Professional II
904   Food Service Practicum II
＊Must complete Serve Safe and Prostart assessments

Environmental, Agriculture and Natural Resources: The agricultural sector is a highly competitive global industry creating new challenges in identifying global and domestic markets, improving business planning, financing, risk management, and productivity; and reducing costs. Advances in science and technology, in particular biotechnology, will continue to drive innovation and growth in this career cluster. Growing public concerns over natural resources, environmental quality, and public health will continue to expand the role and scope of the natural resource management and environmental services sectors.

Curriculum for Agricultural Science Education (CASE)
8160   Agriculture, Food and Natural Resources
8190   Principles of Agriculture – Animal Science
and/or
8540   Principals of Agriculture - Plant Science
8550   Animal and Plant Biotechnology
8555   Agriculture Business, Research & Development – Capstone
＊Must complete CASE assessment

Health and Biosciences: Career and Technology Education programs in the Health and Biosciences cluster focus on preparing dedicated professionals with the knowledge and skills necessary to pursue challenging and rewarding careers and further education. These programs require students to apply knowledge learned in science and mathematics to professions in the health and biosciences field. These careers are among the fastest growing and highest in demand in the country as the population ages and health care needs continue to increase. These CTE programs prepare students for positions in direct patient care settings, research and laboratory facilities, as well as for opportunities in business and management related to health care. These programs also provide career development experiences for students in a wide variety of exciting careers.

Academy of Health Professions
80801   Foundations of Medicine & Health Science
80802   Medical Specialty
80803   Allied Health Internship
80804   Structures and Functions of the Human Body
80805   Clinical Internship
＊Must complete CNA assessment

PLTW – Biomedical Sciences
80880   Principles of Biomedical Science
80881   Human Body Systems
80883   Medical Interventions
80882   Biomedical Innovations
＊Must complete end of course assessment.

Human Resource Services: Advances in scientific knowledge, and increased public awareness of social problems and issues are contributing to a demand for high-quality social services. Public concerns over crime, security and emergency response, and the increased demand for legal intervention in business and communities will continue to drive the growth of law enforcement, emergency and legal services. The continuous need for education professionals, especially in the critical shortage areas, offers creative ways to engage young people early on in the teaching profession.

Early Childhood Education
80821   Human Growth and Development
80822   Child Development Laboratory
80824   Advanced Laboratory – Child Development
80825   Early Childhood Education Seminar & Internship
✴Must complete ParaPro assessment

Firefighter and Emergency Medical Responder (MFRI)
(Located at Upper Eastern Shore Regional Training Center – Queen Anne's County)
80832   Firefighter I
80831   Emergency Medical Care
80836   Hazardous Materials/Operations
80835   Truck Company Fireground Operations/RTVMR
80837   Firefighter II

Homeland Security – Criminal Justice
80855   Foundations of Homeland Security and Emergency Preparedness
80856   Law Enforcement and Emergency Preparedness
80857   Administration of Justice
80858   Capstone

Military Service-Navy Junior Reserve Officers Training Corp (NJROTC)
(Located at Easton High School-Talbot County)
85001   Naval Science I
85002   Naval Science II
85003   Naval Science III
*Must complete ASVAB assessment

Teacher Academy of Maryland (TAM)
80821   Human Growth and Development
80826   Teaching as a Profession
80827   Foundations of Curriculum and Instruction
80828   Education Academy Internship
✴Must complete ParaPro assessment

Information Technology: Information Technology (IT) professionals will face increasing pressure to design, develop, implement, and support complex and reliable IT solutions that will meet the needs of external and internal customers. This will require that IT professionals have the skills to determine customer business needs and requirements, manage complex projects, and integrate software and hardware solutions. Maryland CTE programs include opportunities for students to focus on software development, programming, IT hardware and networking technologies. Cyber Security is

an increasingly important part of IT programs and represents expanding opportunities for employment and advanced education and training in Maryland.

80860	PLTW Computer Science Essentials (May be used for CTE or Tech Ed credit, but not both.)
80861	PLTW Computer Science Principles (AP)
80862	PLTW Computer Science A (AP)
80863	PLTW Cybersecurity

*Must complete AP testing for Computer Science Principles and Computer Science A
*(Additional computer science credit available through dual enrollment with Chesapeake College.)

Manufacturing, Engineering and Technology (MET): Programs in the Manufacturing, Engineering, and Technology Cluster prepare students for a variety of career options through Maryland's Career and Technology Education Programs of Study that lead to postsecondary education and employment. Students engage in real world projects that strengthen their understanding of science, technology, engineering, and mathematics (STEM). They work in teams to complete challenging projects related to design, manufacturing process applications, and quality improvements. Graduates are being educated for the high-performance workplace using advanced technologies. Employers in the manufacturing and engineering sectors need a pipeline of highly qualified employees to remain internationally competitive, to develop and use new technologies, and to continuously improve the quality of life for Marylanders.

Advanced Manufacturing Professionals (AMP)
80806   Foundations of Advanced Manufacturing Production I
80807   Foundations of Advanced Manufacturing Production II
80808   Applications of Advanced Manufacturing I
80809   Applications of Advanced Manufacturing II
*Must complete MSSC assessments in Safety and Maintenance.

Project Lead the Way (PLTW) – Engineering
80872   Introduction to Engineering Design
80871   Principles of Engineering
80874   Digital Electronics
80873   Civil Engineering
and/or
80876   Aerospace Engineering
80875   Engineering Design and Development
✶Must complete end of course assessment if available

Transportation Technologies: Advances in science and engineering are producing major innovations in transportation technology, resulting in faster movement of people and goods at lower costs and with less environmental and safety risks. These innovations require higher skills to manage and maintain transportation equipment. High school programs provide opportunities for students to prepare for careers in the transportation industry.

Maintenance and Light Repair I (all three classes taken as a cohort)
880   Automotive – Suspension and Steering
881   Automotive Engine Performance A
883   Automotive – Brakes

Maintenance and Light Repair II (all three classes taken as a cohort)
882   Automotive – Electrical/Electronic Suspension
884   Automotive Heating and Air Conditioning Systems
885   Automotive Engine Performance B
✶Must complete NATEF/ASE industry assessments

The Apprenticeship Maryland Program is the result of a partnership between the Maryland State Department of Education of Labor, Licensing and Regulation. The program provides high school students with all aspects of an apprenticeship experience including work-based learning, related classroom instruction, and one-on-one mentoring from an industry professional. Participating students start the program in their junior or senior year and complete at least one credit of classroom instruction and a minimum of 450 hours of work-based training under the supervision of an eligible employer. The workplace component is a paid (at least minimum wage) mentored, on-the-job work experience with a written learning plan and a formal agreement among the student, school, and employer.

80815   Apprenticeship Related Instruction
80816   Apprenticeship Work-Based Learning Experience 1
80817   Apprenticeship Work-Based Learning Experience 2
80818   Apprenticeship Work-Based Learning Experience 3

*To enroll in this program, students are required to complete the Apprenticeship Maryland student application packet. The packet should include a completed Apprenticeship Maryland Application, cover letter, and a resume. A meeting with the Apprenticeship Coordinator and the student's parent or guardian will also be held.

CAROLINE COUNTY NON-CTE
COMPLETER PROGRAM SEQUENCES

Liberal Arts: This career major is for students who are non-CTE majors. Students who opt to be Liberal Arts majors must complete two years of world language or two advanced technology courses and a minimum of three (3) of the following elective courses in order to meet graduation requirements.

- Speech and Presentation Technology (123)
- Creative Writing (125)
- Contemporary Issues (207)
- Physical & Cultural Geography (209)
- Psychology (216)
- Sociology (217)
- Business Law (214)
- Algebra II (308)
- Statistics (311)
- Discrete Math (314)
- Calculus (315)
- Pre-Calculus (322)
- Chemistry (405)
- Physics (407)
- Anatomy & Physiology (410)
- Environmental Science (411)
- French III (503)
- French IV (504)
- Spanish III (510)
- Spanish IV (511)
- Drawing II (922)
- Color Theory II (924)
- Art Studio I (927)
- Art Studio II (9927)
- Instrumental Advanced Theory (933)
- Human Growth & Development (80821)
- Any Advanced Placement course
- Dual Enrollment

ENROLLMENT NUMBERS

- In keeping with Board of Education practice, a course may not be offered if fewer than ten students are enrolled.

- Some courses taught at CCTC have limited enrollments and a specific number of seats available to each school. When requests exceed capacity, a selection process is used to identify students for enrollment in these programs.

- Some courses are taught only at one campus and students are strongly encouraged to participate in cross-campus opportunities.

GRADUATION RECOGNITION

A tiered recognition program based on the standards below will be used to recognize academic achievement at graduation. Students in all programs and concentrations will have the opportunity to earn these recognitions.

Recognition	GPA minimum
Distinguished Honors	3.80
High Honors	3.50
Honors	3.20

MARYLAND HIGH SCHOOL CERTIFICATE

In accordance with COMAR, "The decision to award a student with a disability a Maryland High School Certificate of Program Completion will not be made until after the beginning of the student's last year in high school unless the student is participating in the Maryland Alternate Assessments. An Exit Document that describes the student's skills shall accompany the Maryland High School Certificate of Program Completion."

A Maryland High School Certificate shall only be awarded to students with disabilities who cannot meet the requirements for a diploma, but who meet one of the following standards:

1) enrolled in an educational program for at least 4 years beyond eighth grade, or its age equivalent, and is determined by an IEP team with the agreement of the parents of the student, to have developed appropriate skills for the individual student to enter the world of work, act responsibly as a citizen, and enjoy a fulfilling life, with the world of work including but not limited to:

   a. gainful employment
   b. work activity centers
   c. sheltered workshops
   d. supported employment or

2) has been enrolled in an education program for 4 years beyond grade 8 or its age equivalent and will have reached age 21 by the end of the student's current school year."

MARYLAND SCHOLARS

Maryland Scholars is a course of study that prepares high school students to be college and career-ready.

Maryland Scholars Course of Study

4 credits of English
4 credits of Math (Including Algebra 1, Geometry, Algebra 2)
3 credits of Lab Science (Biology, Chemistry, Physics [preferred])
3 credits of Social Science (U.S. History, World History, Government)
2 credits of the same World Language
(Students must attain a 3.0 GPA to qualify.)
(Courses underlined exceed state graduation requirements.)

Financial Rewards for Maryland Scholars
Academic Competitiveness Grants (ACG) - the U.S. Department of Education has allocated an additional $4.5 billion in college tuition grants over five years for State Scholars who qualify for federal financial aid. Students who are Pell-eligible and completed the Maryland Scholars Course of Study could qualify for an Academic Competitiveness Grant - $750 (for college freshmen) and $1,300 (for college sophomores).

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION

College-bound student-athletes who want to compete for Divisions I and II programs must be certified academically (and also as an amateur) by the NCAA Eligibility Center. Students must register with the eligibility center. Students must make sure he/she is on course to meet core-course requirements (verify he/she has the correct number of core courses and that the core courses are on the high school's 48-H with the eligibility center).

SERVICE LEARNING

As a graduation requirement, students must complete 75 hours. Students will start working on their hours in grades 3-5, five (5) hours in each grade (15 hours). Students must complete a service-learning project in grades 6-8, ten (10) hours in each grade (30 hours) and ten (10) hours in 9th grade. Students must complete twenty (20) hours of independent service learning. Students not completing the middle school component in middle school must do so in high school in addition to the high school requirement. Each student is also required to complete the service-learning requirement for high school in order to be eligible to graduate.

Transfer Policy: Transfer policies differ in each Maryland public school system. If a student transfers to another county in Maryland, it will be indicated on the student's record how many hours have been completed in that system. If transferring into Caroline County Public Schools from out-of-state, non-public school, out of country, or home school, based on their official record, students will need to complete their service-learning requirement according to the following:

Time of Transfer & Hours Students Must Earn

6th Grade – 60 hours	10th Grade – 20 hours
7th Grade – 50 hours	11th Grade – 15 hours
8th Grade – 40 hours	12th Grade/1st Semester – 10 hours
9th Grade – 30 hours	12th Grade/2nd Semester – 5 hours

SPECIAL SCHEDULING CONSIDERATIONS

Every effort is made to develop a master schedule that best meets student course requests. However, some course conflicts are inevitable. The schools cannot guarantee students will be able to take every course they would like in a given year, even if that course is in the student's four-year plan.

STUDENTS WITH DISABILITIES

All students, including students with disabilities, are expected to receive instruction consistent with the grade level Maryland College and Career-Ready Standards (MCCRS), Maryland State Curriculum (SC), and the National Center and State Collaborative (NCSC) Core Content Connectors (CCC). Students must be assessed on their attainment of grade level reading (English 10) and math (Algebra) content for the high school band of the Maryland Comprehensive Assessment Program (MCAP). Government course content is also assessed through the HSA, and high school science is assessed through the MISA exam. Students with disabilities are expected to have access to the general education curriculum, instruction in the contents, and meet the same enrollment, attendance, credit course, and service learning requirements as their non-disabled peers, as well as participate in State assessment programs (MCAP, MISA & HSA). If the student has been determined by his or her Individual Educational Program (IEP) team to have a significant cognitive disability, that student would be required to participate in the Maryland Alternate Assessments. The Maryland Alternate Assessments are a part of a system of curriculum, instruction, and assessment tools for students with significant cognitive disabilities who cannot participate in the general assessments with or without accommodations.

Caroline County Public Schools High School Plan of Study

Student Name _____ Graduation Year _____ ID# _____

CAROLINE COUNTY PUBLIC SCHOOLS CAREER MAJOR:

☐ Academy of Health Professions
☐ Advanced Manufacturing Professionals (AMP)
☐ Apprenticeship Maryland Program
☐ Automotive Technology
☐ Computer Aided Drafting and Design (CADD)
☐ Construction Technology
☐ Cosmetology
☐ Curriculum for Agricultural Science Education (CASE)
☐ Early Childhood Education

☐ Firefighter
☐ Food and Beverage Management (Prostart)
☐ Liberal Arts
☐ Military Service
☐ Project Lead the Way (PLTW) - Biomedical Sciences
☐ Project Lead the Way (PLTW) - Computer Science
☐ Project Lead the Way (PLTW) - Pre-Engineering
☐ Curriculum for Agricultural Science Education Sciences
☐ Teacher Academy of Maryland (TAM

POST-SECONDARY PLAN:

☐ 2-year college
☐ 4-year college

☐ Technical school
☐ World of work

REQUIRED COURSES	# of CREDITS	GRADE 9	GRADE 10	GRADE 11	GRADE 12	CREDITS EARNED
ENGLISH	4					
MATH	4					
SCIENCE	3					
SOCIAL STUDIES	3					
TECHNOLOGY ED	1					
FINE ARTS	1					
PHYS. ED	1					
HEALTH	1					
FINANCIAL LITERACY	1					
OTHER REQUIREMENTS						
2 credits of World Language **and 3 credits** in electives (Non-CTE majors only)	5					
OR						
2 credits of Advanced Technology **and 3 credits** in electives (Non-CTE majors only)	5					
OR						
4 credits by successfully completing a State-approved Career & Technology Program **and 1 credit** in an elective	5 *(Credits may vary by CTE major)*					
Students must also meet attendance, service-learning, and Maryland assessment requirements.						

☐ Military