



GUIDE TO CAREER MAJORS

NORTH POINT HIGH SCHOOL

FOR SCIENCE, TECHNOLOGY AND INDUSTRY





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WE ARE NORTH POINT

North Point High School for Science, Technology and Industry is a nationally award winning public high school located in Waldorf, Maryland in a state-of-the-art facility that serves high school students residing in Charles County.

Purposely Designed

North Point High School for Science, Technology and Industry is a purposely designed comprehensive high school that integrates college and professional preparation for a broad range of students to promote post-high school success.

North Point's Career Technology Education programs enable students to acquire stackable credentials including apprenticeship and internship experiences, as well as industry recognized certification and professional licensures.

By providing comprehensive opportunities, students can learn and integrate academically rigorous material from core subjects with professional content. From our inception, we believe that no matter what the students' postsecondary plans are that they should have an opportunity to thrive in both traditional and applied learning. It is our belief that through this comprehensive approach, students have the opportunity to develop into individuals that are prepared to rise to the challenges and flourish in a complex world.

Core Values

We Are...

Valuing our diversity to prepare students for a global society.

Providing rigorous and differentiated instruction to promote critical thinking, creativity, and curiosity.

Valuing integrity and responsibility so that students reach their personal best.

Utilizing all staff members, business partners, professional organizations, parents and students to create a community where students succeed.

Mindfully using our schedule and technology enriched environments to foster student learning.

Fostering lifelong learners

WE ARE NORTH POINT

CAREER MAJORS

North Point High School for Science, Technology and Industry offers 16 career majors in eight (8) groupings identified as career clusters by the Maryland State Department of Education. The MSDE career clusters are: (1) Arts, Media and Communication, (2) Construction and Development, (3) Consumer Services, Hospitality and Tourism, (4) Health and Biosciences, (5) Human Resource Services, (6) Information Technology, (7) Manufacturing, Engineering and Technology, and (8) Transportation Technologies.

The programs at North Point High School include:

- | | |
|-----------------------------------|--|
| 1. Academy of Health Professions | 9. Cosmetology |
| 2. Automotive Technology | 10. Criminal Justice, Law, and Society |
| 3. Biotechnology | 11. Culinary Arts |
| 4. Child Development Professions | 12. Drafting & Design |
| 5. Cisco Cyber Security | 13. Electrical Construction |
| 6. Cisco Networking Academy | 14. Engineering |
| 7. Collision Repair | 15. Graphic Communication |
| 8. Construction Design Management | 16. Welding |

Each professional major was developed with industry partnerships to support the community by providing prepared professionals that can meet the demands of highly educated and technical sound workforce. The Career Technical Education Programs provide students with the opportunity to transition into further postsecondary education, earn college credits, and/or industry credentials in a specific professional area of interest.

APPLICATION PROCESS

The sixteen (16) Career Technology Education (CTE) career majors at North Point High School for Science, Technology and Industry all require eighth grade students to complete the Charles County Public Schools' CTE application process. Students and their parents or legal guardians that apply must reside in Charles County. Even students that are zoned to attend North Point High School for Science, Technology and Industry must apply to be considered for entrance into one of the career majors.

Annually, CCPS staff members from the CTE department will visit middle schools to talk with eighth grade students about the various programs open to them and explain the application process. CCPS CTE department staff will also host meetings for students and their families regarding the application process at their current middle school. North Point High School for Science, Technology and Industry will host a "Spotlight on CTE" open house event for eighth grader students and their families that are interested in the application based CTE programs at North Point.

Applications for students who are current CCPS students will be in a Microsoft Forms format and must be completed in Office365 via the student's established account. The student's parent or guardian must electronically sign the application. Students must complete an interest survey at an established later date.

Students who are not current CCPS students can apply via an online application. In addition to the application questions, the applicant must upload report cards from their sixth and seventh grade years. The student, along with their parent or guardian, must electronically sign the application. The student will complete an interest survey at an established later date.

The 16 career majors at North Point High School for Science, Technology and Industry require students to apply for admission due to set enrollment numbers. Students accepted into one of the 16 career majors will be notified by the CCPS CTE department. Upon notification, the student, along with their parent or guardian, must sign the agreement form(s) and submit the form(s) as instructed.

DESCRIPTIONS OF CAREER MAJORS

Contained in the pages that follow are program overviews for every career major. This information may be utilized to become familiar with the programs and their opportunities. It also may assist students, parents, and counselors to design a focused four-year sequence of courses centered on the student's post-high school plans. It was created in consultation with professionals currently working in each field as well as representatives from postsecondary schools.

This guide is a supplement to the Charles County Public Schools (CCPS) High School Program of Studies. Please refer to the Program of Studies for detailed course descriptions of academic and elective courses. Graduation requirements, math requirements and other important school system information are also provided in the CCPS High School Program of Studies.

Program schedules are provided with an outline of required CTE program courses, courses designed to enhance student learning in a specific program area, and courses required for graduation. By combining all of the courses in the sample schedule, students will have an enhanced preparedness in their selected area of study that will increase their success in postsecondary studies and professional careers.

Be sure to consult with a counselor when establishing a four-year path to ensure that it includes all Maryland graduation requirements. Refer to the mathematics sections of the CCPS High School Program of Studies for the most appropriate math course sequence. Program prerequisites for both program entrance and program courses are also listed in the CCPS High School Program of Studies.

Please note that courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at North Point.

Prior to graduation, North Point's Career Technology Education students have the opportunity to acquire stackable credentials including apprenticeship and internship experiences, as well as industry recognized certifications and professional licensures. By integrating college and professional preparation, students have the best opportunity for post-high school success.

ACADEMY OF HEALTH PROFESSIONS

Designed with a Purpose

The Academy of Health Professions is an exploratory and preparatory program for the secondary school student. It is designed to develop healthcare skills and practices that will enable the student to effectively function in a healthcare entry-level position and to successfully pursue further studies at a college or university. The program incorporates and correlates instruction in the classroom, simulation laboratory, and clinical settings. In addition to the program's core courses, students are expected to enroll in multiple classes that will enhance their learning in this field and better prepare them for the rigor of postsecondary studies.

After students have demonstrated mastery of specific content set by the Maryland Board of Nursing and the clinical sites, students are permitted to begin their clinical experiences. Through strong healthcare industry partnerships, students are able to participate in planned clinical experiences in multiple areas of healthcare specializations where they are able to become an integrated member of the healthcare team.

This program requires three years for completion. At which time, if the students have met the requirements set by the school system and the Maryland Board of Nursing, they will be eligible to attempt licensure as a Certified Nursing Assistant (CNA). Students are expected to pass all courses and attempt licensure as a CNA prior to graduation.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates and correlates instruction in the classroom, simulation laboratory, and clinical settings. Through strong healthcare industry partnerships, students are able to participate in planned clinical experiences in multiple healthcare settings where they are able to become an integrated member of the healthcare team.

Pathway to Program Certification

The course requires three (3) years for completion. At which time, if the students have met the qualifications, the students` will be eligible to receive articulation credits and attempt certification as a Nursing Assistant.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the healthcare system as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for undergraduate and graduate school.

Post-Secondary Undergraduate Majors

Possible post-secondary undergraduate majors include (but are not limited to): Nursing, Pre-Med, Pre-Vet, Pre-Pharm, Pre-Dental, Biology, Biochemistry, Genetics, Psychology, Kinesiology, Sports Medicine, Social Work, Radiology Technology, Healthcare Administration, and Emergency Management (Paramedic).

Graduate Degrees

Possible graduate degrees include (but are not limited to): Medicine, Dentistry, Nurse Practitioner, Physical Therapy, Occupational Therapy, Physician Assistant, Clinical Social Work, Public Health, and Epidemiology.

Integrated Academic Curriculum

Six Specialized Healthcare Courses

The Academy of Health Professions all contain a concentration in medical terminology, anatomy, physiology, pathophysiology, medical ethics, legal medical regulations, professionalism, and best practices for patient care. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Science Courses:

- AP Biology
- AP Chemistry
- AP Physics
- Organic Chemistry
- Principles of Anatomy and Physiology

College Preparatory Math Courses

- Pre-Calculus
- Calculus
- AP Statistics

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	Honors English	Honors English	*Honors English or AP Language	*Honors English, AP Literature, or Composition & Rhetoric
2	*Algebra 1 or Honors Geometry	*Honors Geometry or Honors Algebra 2	*Honors Algebra 2, Pre-Calculus, or Adv. Algebra with Trigonometry	*AP Calculus, AP Stats, Pre-Calculus, or Advanced Algebra with Trigonometry
3	Honors Biology	Honors Chemistry	Financial Literacy/Health 2	Fine Arts Credit or Elective
4	Honors Earth Systems	Honors Local, State, National Gov.	Honors or AP World History	Honors Principles of Anatomy & Physiology
5	Honors US History	Exploring Computer Science (Tech Ed Required for Grad)	Honors or AP Physics	*AP Chemistry, Honors Organic Chemistry
6	Fine Arts Credit	Fine Arts Credit or Elective	AP Biology	Advanced Skills Laboratory
7	Fit for Life/Health 1	World Language (2 years Required)	Foundations of Medical & Health Science	Certified Nursing Assistant Clinical Internship
8	World Language (2 Years Required)	Structures & Functions of Human Body	Introductory Skills Laboratory & Clinical Experiences	Specialized Clinical Internship

* Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities. Courses with



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

multiple options are limited to the options presented to meet program requirements.

AUTOMOTIVE TECHNOLOGY

Designed with a Purpose

The Automotive Technology (Maintenance & Light repair) program emphasizes hands-on and theoretical experience using state-of-the-art diagnostic equipment and tools. The program incorporates the Automotive Service Excellence (ASE) program certification standards as well as the National Automotive Technicians Education Foundation (NATEF) standards. The program prepares students for further education and careers in the automotive industry through industry certification and articulated credit at technical or community colleges. Students will supplement their study of automotive technology with courses such as CADD, Pre-Engineering, and Principles of Business. ASE requires an exit exam.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

The program is a member of the elite Automotive Youth Educational System (AYES) which is a partnership with automotive manufacturers, dealerships and secondary automotive programs. AYES provides mentoring, internships and college scholarships for student interested in pursuing a career in the automotive industry.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program student will be expected to attempt the six (6) ASE certifications: Brakes, Electrical/Electronic Systems, Suspension and Steering, Engine Performance, Engine Repair, and Automatic Transmission/Transaxle. Students will have the opportunity to also become certified in first aid and OSHA-10. As an added value, students are eligible to earn College Credits from Community College of Baltimore County and Penn College.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the automotive profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Additional individual certifications in Automotive Service, High-performance, Diesel, Alternative Fuels, and Automotive Restoration, Associate of Applied Science in Automotive Service Sales and Marketing, Automotive Technology, Honda PACT, and Bachelor of Science in Automotive Technology Management.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Automotive Mechanic, Mechanical Engineer, Design Specialist, Dealership Owner, ASE Certified Technician, Parts Manager, Diesel Mechanic, Alignment Specialist, Small Engine Technician, Tire Specialist, Transmission Technician, Tune-up Technician, and Front-end Mechanic.

Integrated Academic Curriculum

Seven Specialized Automotive Technology Courses

The Automotive Technology program all contain a concentration in automotive maintenance and light repair. In addition, students are taught professionalism and soft skills. At the conclusion of each course, students may earn the opportunity to attempt ASE related certifications. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Automotive Field

- Computer Assisted Drafting and Design
- Principles of Business Management
- Physics

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Fine Arts Credit or Elective
4	*Local, State, National Government	*US History	*World History	CADD
5	Exploring Computer Science (Tech Ed Required for Grad)	World Language (2 years Required)	Financial Literacy/Health 2	Principles of Business Management
6	Fine Arts Credit	First Aid and Safety/Introduction to Wt. Training	Advance Tech Ed or Elective	Physics
7	Fit for Life/Health 1	Brakes	Engine Repair	Automotive HVAC/Transmissions Automatic and Manual
8	World Language (2 Years Required)	Steering and Suspension	Engine Performance	Electrical and Electronic Systems



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

BIOTECHNOLOGY

Designed with a Purpose

The Biotechnology program allows students a preview into the growing world of biotechnology and its massive impact on society. Entry-level workers in the field of biotechnology are involved in laboratory work such as DNA isolation or sequencing, cell culture, toxicology or vaccine sterility testing, antibody production and isolation, and the testing and development of diagnostic and therapeutic agents. Students in this program will discover the basics of a large variety of lab operations and can experience real laboratory procedure and techniques. Students will not only learn about various aspects of basic biological science, but they will also understand their applications to real life. Students will discover the uses of molecular biology, genetics, and biochemistry in the real world and can experience actual first-hand applications of different biomedical fields. Biotechnology students will supplement their studies with multiple upper-level science and math courses.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program, students will be expected to master content to build scientific skills to support further learning. The students' senior year will conclude with a capstone project that integrates their learning and skills gleaned throughout the program.

Pathway to Careers and Degrees

Importance of Certification

With the completion of the program and capstone project, students are able to gain valuable experiences that further their understanding of the profession and offer relevant experience for entrance undergraduate programs.

Post-Secondary Undergraduate Majors

Possible post-secondary undergraduate majors include (but are not limited to): Biotechnology, Biology, Clinical Laboratory Sciences, Microbiology, Biochemistry, Biological Engineering, Forensics, and Genetics.

Graduate Degrees

Possible graduate degrees include (but are not limited to): Biotechnology, Medicine, Genomics, Bioinformatics, Molecular Biology, Neurobiology, Systemic Biology, and Immunology.

Integrated Academic Curriculum

Five Specialized Biotechnology Courses

The Biotechnology program all contains a concentration in cellular science, safety, research methods, ethics, and professionalism. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

Math and science courses are required all four (4) years.

College Preparatory Science Courses

- AP Chemistry
- AP Biology
- AP Physics
- AP Environmental Science

College Preparatory Math Courses:

- Pre-Calculus
- Calculus
- AP Statistics

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Algebra 1 or Honors Geometry	*Honors Geometry or Honors Algebra 2	*Honors Algebra 2, Pre-Calculus, or Adv. Algebra with Trigonometry	*AP Calculus, AP Stats, Pre-Calculus, or Advanced Algebra with Trigonometry
3	Honors Biology	Honors Chemistry	Financial Literacy/Health 2	AP Computer Science Principles or Elective
4	*US History	*Local, State, National Government	*World History	Honors Principles of Anatomy & Physiology
5	Exploring Computer Science (Tech Ed Req for Graduation)	Fine Arts Credit or Elective	World Language or Elective	AP Chemistry, Honors Organic Chemistry
6	Fine Arts Credit	World Language (2 years Required)	Honors Or AP Physics	Special Topics in Biotechnology
7	Fit for Life/Health 1	AP Environmental Science	AP Biology	Special Topics in Biotechnology
8	World Language (2 Years Required)	Standard Operating Procedures Proficiencies	Molecular Biotechnology	Research in Biotechnology



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities. Courses with multiple options are limited to the options presented to meet program requirements.

CHILD DEVELOPMENT PROFESSIONS

Designed with a Purpose

The Child Development Professions program aligns with the Child Development Associate (CDA) competencies, Interstate Teacher Assessment and Support Consortium (InTASC), and National Association for the Education of Young Children (NAEYC) standards.

The program of study prepares students for further education and careers in early childhood education and child development. The program consists of four high school courses that cover child growth and development with an emphasis on preschool, preschool learning environment best practices, establishing a purposeful preschool childcare program and internship. This program is designed to articulate a Maryland postsecondary early childhood education and care program and sets the foundation for advanced studies in child development. Program of study completers will be required to complete the CDA exam, a verification visit, and the CDA professional portfolio through a minimum of 480 required hours in a licensed early childhood program working with children ages 3 to 5 years of age.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Skills Simulation, and Real-World Experiences

The program incorporates instruction in the classroom and in a licensed early childhood program. Students will obtain a minimum of 480 hours of professional work experience in a licensed center-based setting with children ages 3 to 5. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. It is designed to articulate a Maryland postsecondary early childhood education and sets the foundation for advanced studies in child development. Program of study completers will be required to complete the CDA exam, a verification visit, and the CDA professional portfolio through a minimum of 480 required hours in a licensed early childhood program working with children ages 3 to 5.

Pathway to Careers and Degrees

Importance of Certification

A final grade of “B” or better in all courses will earn 9 college credits at the College of Southern Maryland when pursuing a certificate or an associate of applied science in Early Childhood Development. A passing score on the CDA exam, verification visit, and the CDA professional portfolio will earn the Child Development Associate (CDA). The CDA is recognized in all 50 states, the District of Columbia, U.S. territories, community colleges, school districts and military.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Early Childhood, Elementary or Special Education, Child Development and Family Studies, Child Care and Support Services Management, Family and Community Services, Developmental and Child Psychology.

Graduate Degrees

Possible graduate degrees include (but are not limited to): Child Development, Early Childhood, Elementary or Special Education, Human Development, Social Work, Counseling, School Psychology, and Applied Behavioral Analysis.

Integrated Academic Curriculum

Four Specialized Child Development Professions Courses

The Child Development Professions program has a concentration in child growth and development with an emphasis on preschool, preschool learning environment best practices, establishing a purposeful preschool childcare program and internship. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School’s Program of Study.

College Preparatory Courses


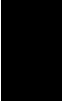

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Humanities Courses

- AP Psychology
- Psychology/Sociology

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Elective
4	*US History	*Local, State, National Government	*World History	AP Psychology
5	Exploring Computer Science (Tech Ed Req for Graduation)	World Language (2 years Required)	Financial Literacy/Health 2	Child Development Associate Internship II
6	Fine Arts Credit	Psychology/Sociology	Child Development Associate Portfolio and Internship I	Child Development Associate Internship II
7	Fit for Life/Health 1	First Aid and Safety/Intro to Wt. Training or Lifeguarding	Child Development Associate Portfolio and Internship I	Child Development Associate Internship II
8	World Language (2 Years Required)	Child Growth and Development (Birth through Adolescence)	Learning Environment for Preschoolers	Child Development Associate Internship II
	 = CTE Courses	 = Graduation Requirement	 = CTE Highly Recommended	

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

CISCO CYBERSECURITY

Designed with a Purpose

The Cisco CyberSecurity program is in adjunct to the Cisco Networking Academy, which is a nationally recognized program that prepares students for successful careers in information technology fields. It prepares high school students with the professional skills they require to pursue quality academic and professional opportunities. Particular emphasis is given to using decision-making and problem-solving techniques in the application of science, mathematics, communication and social studies concepts to solve networking problems.

Topics relating to Cybersecurity will be interwoven throughout the course of study. Particular emphasis is placed on ethics, operating systems security, vulnerability assessment, legal issues, the hacker culture, intellectual property laws, encryption, decryption, algorithms, technologies, protection of critical infrastructure, and disaster recovery.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom with direct hands-on experience in the simulation laboratory setting. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires four (4) years for completion. Throughout the program students will be expected to attempt the two (2) professional certifications: Comp TIA A + and Comp TIA Security +. The COMP TIA A + certification is tested in two (2) parts.

Pathway to Careers and Degrees

Importance of Certification

With the certifications, alumni are able to secure positions within the cyber profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary majors include (but are not limited to): Cyber Security, Computer Programming, Network Engineering, Information Technology Project Management, Business with a concentration in Technical Sales.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Network Administrator, Network Systems Engineer, Network Technician, Cyber Security, Telecommunication Engineer, Project Manager, System Sales.

Integrated Academic Curriculum

Seven Specialized Cisco Cybersecurity Courses

The Cisco Cyber Security program courses contain a concentration in ethics, operating systems security, vulnerability assessment, legal issues, the hacker culture, encryption/decryption algorithms and technologies, critical infrastructure protection and disaster recovery. In addition, students are taught professionalism and soft skills. At the conclusion of each course, students may earn the opportunity to attempt Cisco related certifications. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities

College Preparatory Courses Related to the Cyber Security Field

- Physics
- AP Physics
- AP Computer Science

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Algebra 1 or Honors Geometry	*Honors Geometry or Honors Algebra 2	*Honors Algebra 2, Advanced Alg. w/Trig. Or Precalculus	*AP Calculus, Precalculus, AP Stats or Adv. Alg. w/ Trig
3	*Earth Systems	*Biology	*Chemistry	Elective
4	*US History	*Local, State, National Government	*World History	Elective
5	Fit for Life/Health 1	AP Computer Principles	Financial Literacy/Health 2	Honors or AP Physics
6	Fine Arts Credit	World Language (2 years Required) or Elective	Introduction to Computer Programming	AP Computer Science
7	World Language (2 Years Required)	CCNA Introduction to Networks	Cyber Ops Associate	CompTIA Security +
8	Cybersecurity Essentials	CCNA Introduction to Networks	Cyber Ops Associate	CompTIA Security +



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities. Courses with multiple options are limited to the options presented to meet program requirements.

CISCO NETWORKING ACADEMY

Designed with a Purpose

The Cisco Networking Academy, which is a nationally recognized program that prepares students for successful careers in the computer technology fields. It prepares high school students with the professional skills they require to pursue quality academic and professional opportunities. Particular emphasis is given to using decision-making and problem-solving techniques in the application of science, mathematics, communication and social studies concepts to solve complicated network systems.

Particular emphasis is placed on certification attainment in four (4) nationally industry recognized areas. Students are able to take their earned certifications and becoming an integral part of the profession immediately after completion of the program.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom with direct hands-on experience in the simulation laboratory setting. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires four (4) years for completion. Throughout the program student will be expected to attempt the successive certifications: Comp TIA A+, Cisco Certified Support Technician (CCST), Cisco Certified Network Associate (CCNA), Cisco Comp TIA's Network+.

Pathway to Careers and Degrees

Importance of Certification

With the certifications, alumni are able to secure positions within the computer networking profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary majors include (but are not limited to): Network Engineering, Information Technology Project Management, Business with a concentration in Technical Sales, Cyber Security, and Computer Programming.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Network Administrator, Network Systems Engineer, Network Technician, Network Designer Cyber Threat Hunter, Network Defender, Security Administrator, Network Design Engineer, Cisco Engineer, Senior System Analyst, Telecommunication Engineer, IT project manager, Technical Sales Executive, SOC Analyst, Forensic Analyst, Auditor, Cyber and Security Analyst.

Integrated Academic Curriculum

Five Specialized Cisco Networking Courses

The Cisco Networking Academy program courses contain a concentration in ethics, fundamental computer and career skills, multitude of networks, troubleshooting, command line concepts, operating systems, basic open-source concepts, switching technologies, router operations, wireless local area networks, security concepts, dynamic addressing, and first-hop redundancy protocols. At the conclusion of each course, students may earn the opportunity to attempt Cisco related certifications. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.




College Preparatory Courses Related to the Networking

- Physics
- AP Physics
- Introduction to Computer Programming
- AP Computer Science

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Algebra 1 or Honors Geometry	*Honors Geometry or Honors Algebra 2	*Honors Algebra 2, Advanced Alg. w/Trig. or Precalculus	*AP Calculus, Precalculus, AP Stats or Adv. Alg. w/ Trig
3	*Earth Systems	*Biology	*Physics	Elective
4	*US History	*Local, State, National Government	*World History	Computer Internship (If qualify) or AP Computer Science
5	Fit for Life/Health 1	*AP Comp Sci Prin. or Exploring Comp. Sci	Financial Literacy/Health 2	Enterprise Networking, Security, and Automation
6	Fine Arts Credit	World Language (2 years Required) or Elective	Introduction to Computer Programming	Enterprise Networking, Security, and Automation
7	World Language (2 Years Required)	Introduction to Networks	Switching, Routing and Wireless Essentials	CISCO Capstone
8	Cisco IT Essentials	Introduction to Networks	Switching, Routing and Wireless Essentials	CISCO Capstone

	= CTE Courses		= Graduation Requirement		= CTE Highly Recommended
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*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities. Courses with multiple options are limited to the options presented to meet program requirements.

COLLISION REPAIR

Designed with a Purpose

The Collision Repair program prepares students for a career in the auto finishing/auto body repair field. It combines technical, academic, and workplace skills in an integrated curriculum in accordance with all National Automotive Technicians Education Foundation (NATEF) and Inter-Industry Conference on Auto Collision Repair (I-CAR) directives. Please Note: NATEF/ASE requires an exit exam, which tests knowledge about automobiles learned over the 3 years in the course. This program is supplemented with course in art, computers and business.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program student will be expected to attempt the (4) four professional certifications: I-CAR Non-structural Pro-level 1, I-Car Refinish Pro-level 1, Ford ASE, and OSHA-10.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the collision repair profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Additional Individual Certifications in Collision Repair, Automotive Technology, Business, and Fine Art.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Body Technician, Paint Technician, Supply Sales Representative, Transportation Equipment Painters, Automotive Glass Installers and Repairers, Auto Damage Insurance Appraiser and Estimator, Manager, and Business Owner.

Integrated Academic Curriculum

Six Specialized Collision Repair Courses

The Collision Repair program courses contain a concentration in core area related to the field which include safety, measuring, analyzing, development, restoration, and quality control. Students are taught estimating, blueprinting, non-structural and structural analysis and damage repair, painting, and refinishing. In addition, students are taught professionalism and soft skills. At the conclusion of each course, students may earn the opportunity to attempt four (4) related certifications. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Collision Repair Field

- Art
- Computer Assisted Drafting and Design
- Principles of Business Management

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Fine Arts or Elective
4	* US History	* Local, State, National Government	*World History	CADD
5	Exploring Computer Science (Tech Ed Required for Grad)	World Language (2 years Required)	Financial Literacy/Health 2	Principles of Business Management
6	Fit for Life/Health 1	First Aid and Safety/Introduction to Wt. Training	Advance Tech Ed, Fine Arts, or Elective	Physics
7	Art I (Program Requirement and Graduation Requirement)	Safety Procedures	Structural Analysis and Damage Repair	Painting and Refinishing
8	World language (2 Years Required)	Estimating and Blueprinting	Non-Structural Analysis and Damage Repair	Quality Control and Job Placement



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

CONSTRUCTION DESIGN AND MANAGEMENT

Designed with a Purpose

The Construction Design and Management program is comprised of seven (7) courses where students will develop an understanding of the design and construction process. Each course uses a project-based learning approach to advance students' understanding of the design-build-maintain process. Advanced architectural drafting and design skills are developed through lab-based instruction using Autodesk software tools including AutoCAD and Revit Architecture. Throughout the program, students will develop a portfolio to demonstrate knowledge of each phase of the design and construction management process. Students will also have the opportunity to earn industry certifications: OSHA-10, AutoCAD, and Revit.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires four (4) years for completion. Throughout the program students will be expected to complete the necessary training to attempt the AutoCAD, Revit, and OSHA-10 certifications. All of the certifications are recognized by the industry.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the construction profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Construction Management, Architecture, Construction Science, Business Management, Architectural Technology and Construction Management, Project Management, and Building Automation Engineering.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Equipment Operator, Estimator, Foreman Inspector, Project Coordinator, Project Manager, Safety Officer, Scheduler, Architect, Draftsperson/Designer, Civil Engineer, Construction Consultant

Integrated Academic Curriculum

Eight Specialized Construction Design and Management Courses

The Construction Design and Management program courses contain a concentration in the following areas: safety, drafting, design, planning, equipment proficiency, construction methods, innovated technologies, modeling concepts, construction process, conservation, construction codes, building industry management, and computer assigning technology. In addition, students are taught professionalism and soft skills. Throughout the program, students will earn the opportunity to obtain three (3) professional certifications. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Construction Design and Management Field

- Principles of Business Management
- Architecture and Interior Design
- Physics
- AP Environmental

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Architecture and Interior Design
4	* US History	* Local, State, National Government	*World History	Physics or AP Environmental
5	Fit for Life/Health 1	World Language (2 years Required)	Financial Literacy/Health 2	Principles of Business Management
6	Fine Art Credit	First Aid and Safety/Introduction to Wt. Training	Exploring Computer Science	Advanced Construction Management
7	World Language (2 Years Required)	Introduction to Construction Design and Management	Principles of Construction Design	Advanced Construction Applications and Certifications
8	Computer Assisted Drafting and Design (CADD)	REVIT: 3D Architectural Drafting	Advanced Design and 3-D Modeling	Advanced Construction Applications and Certifications



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

COSMETOLOGY

Designed with a Purpose

Cosmetology is governed by the State Board of Cosmetology and prepares students for licensure. The program equips individuals to take the Maryland State Board of Cosmetology Licensure exam, which is a mandatory exit exam testing knowledge acquired over the three years. Students are instructed in the art and science of cosmetology, covering all industry aspects. Emphasis is placed on safety, sanitation, and hygiene, along with the State Board of Cosmetologists' rules and regulations.

Related areas of instruction include human relations, anatomy and physiology, mathematics and measurement, analysis, diagnosis and histology of hair, skin, and nails, chemical hair texturing services, fundamentals of electricity, product knowledge, customer relations, and employability skills. Salon management is also an integral part of the classroom and clinical experience.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students can learn and demonstrate professional skills using state-of-the-art equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

This course is a 3-year MSDE approved completer program of study. The 1,500-hour program includes classroom instruction, clinical experience, supervised work-based learning experience in an off-campus salon setting, and a senior capstone project. Regular attendance and competence in verbal aptitude, perception, motor coordination, and finger and manual dexterity are critical. Program hours are paced at 300 hours during the student's first year, 550 hours during the student's second year, and 650 hours during the student's third year. Upon successful completion of 1500 hours, students are required to take the Maryland State Board of Cosmetologists' examination. Additionally, students are required to take part in public service activities practiced outside the regular classroom.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the cosmetology profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Business Management, General Cosmetology, Aesthetician, Esthetician, Nail Technician, Barbering, Facial Treatment Specialist, Make-up Artistry, Salon Management, and Permanent Cosmetics.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Cosmetologist, Hair Stylist, Aesthetician, Esthetician, Nail Technician, Make-up Artist, Salon Manager, and Salon Owner.

Integrated Academic Curriculum

Three Specialized Cosmetology Courses

The course requires three (3) years for completion. The Cosmetology program courses focus on safety, sanitation and hygiene as well as State Board of Cosmetologists' rules and regulations. Related areas of instruction include human relations, anatomy and physiology, mathematics and measurement, analysis, diagnosis and histology of hair, skin, and nails, chemical hair texturing, fundamentals of electricity, product knowledge, customer relations, and employability skills. Salon management is an integral part of the classroom and clinical experience.

After earning 1,000 hours, students will participate in mandatory work-based learning off-campus where up to 300 hours may be applied towards the program's 1,500 required hours. Students will take the Maryland Board of Cosmetologist's two-part licensure exam in two phases. The first will be at 1,380 hours and the second at 1,500 hours. The courses are listed in the Program Schedule section of this document and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Cosmetology Field

- Principles of Business Management

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Speech or Anatomy and Physiology
4	* US History	* Local, State, National Government	*World History	Principles of Business Management
5	Fit for Life/Health 1	Financial Literacy/Health 2	Advanced Cosmetology	Mastery of Cosmetology
6	Fine Art Credit	World Language (2 years Required)	Advanced Cosmetology	Mastery of Cosmetology
7	TechEd Credit	Principles of Cosmetology	Advanced Cosmetology	Mastery of Cosmetology
8	World Language (2 Years Required)	Principles of Cosmetology	Advanced Cosmetology	Mastery of Cosmetology

*Course level is determined by teachers, counselor, student, and parent. Students are



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

expected to take the level that best challenges and advances their abilities.

CRIMINAL JUSTICE, LAW, AND SOCIETY

Designed with a Purpose

Criminal Justice prepares students for employment in the law enforcement field. The objectives of this program are to encourage law-abiding behavior, to develop informed and responsible citizens, to teach critical thinking and organizational skills, to foster qualities of self-reliance, individual discipline, and leadership. The program prepares students for immediate entry into the private security field, corrections, loss prevention, and provides students with the opportunity to gain valuable experience toward a college degree in law enforcement.

Classroom instruction, physical training, and field trips are all important components of this program. Program uniforms must be worn twice a week and community service is required. The program is run in partnership with the Charles County Sheriff's Office

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. In addition, students have the opportunity to observe and interact with professionals in the Charles County Sheriff's Office. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program, students will be expected to master professional content and skills to support further learning. The students' senior year will conclude with a capstone project that integrates their learning and skills. In addition, students that demonstrate aptitude and professional integrity will earn the opportunity to apply for a criminal justice internship with the Charles County Sheriff's Office with the backing of the program.

Pathway to Careers and Degrees

Importance of Certification

With the program certification, alumni are able to secure positions within the criminal justice field as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Criminal Justice, Corrections, Criminology, Forensic Science, Police Science, Pre-Law, Sociology, Criminal Psychology, Law Enforcement Administration, Rehabilitation Services.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Police Officer, Forensic Investigator, Parole Officer, Federal Law Enforcement Officer, Paralegal, Corrections Officer, Security Officer, Security Guard, Private Investigator, Bail Enforcer, Loss Prevention Officer.

Integrated Academic Curriculum

Four Specialized Criminal Justice, Law, and Society Courses

The course requires three (3) years for completion. The Criminal Justice, Law, and Society program courses contain a concentration in safety, physical fitness, integrated criminal justice system, theories of justice, criminal law, standard operating procedures, ethics, forensics, and homeland security. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Humanity Preparatory Courses Related to the Criminal Justice, Law, and Society Field

- Psychology/Sociology
- AP Psychology
- AP US Government

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Elective
4	* US History	* Local, State, National Government	*World History	AP US Government
5	Fit for Life/Health 1	World Language (2 years Required)	Financial Literacy/Health 2	AP Psychology
6	Fine Art Credit	Psychology/Sociology	Elective	Contemporary Issues in Criminal Justice, Law, and Society
7	TechEd Credit	Introduction to Criminal Justice	Advanced Topics in Criminal Justice	Criminal Justice Capstone
8	World Language (2 Years Required)	Introduction to Criminal Justice	Advanced Topics in Criminal Justice	Criminal Justice Capstone

	= CTE Courses		= Graduation Requirement		= CTE Highly Recommended
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*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

CULINARY ARTS

Designed with a Purpose

The program incorporates instruction in the classroom with direct hands-on experience in the simulation laboratory setting. The Culinary Arts program partners with and is accredited through the American Culinary Federation Education Foundation Accrediting Commission (ACFEFAC). The program prepares students for successful careers in the food and beverage and hotel and restaurant management. Students may earn industry certification and credit toward becoming a Certified Culinarian (CC) or a Certified Pastry Culinarian (CPC). Culinary Arts Students will develop a variety of skills relating to food service, including services by restaurants, catering and institutional food providers and other recreational and entertainment venues.

Classroom and on-the-job experiences include laboratory, theory, community and shop work as they relate to planning, selecting, purchasing, preserving, preparing and serving food. An emphasis on culinary nutrition will enable students to create successful menus as culinary professionals. Commercial kitchen management, food safety and sanitation, food preparation and presentation will be emphasized.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom with direct hands-on experience in the simulation laboratory setting. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program students will be expected to complete the necessary training to attempt OSHA-10, Safe Serve Manager, Certified Fundamentals Cook (CFC), and Certified Fundamentals Pastry Cook (CFPC) certifications. All of the certifications are recognized by the industry.

Pathway to Careers and Degrees

Importance of Certification

With the program certifications, alumni are able to secure positions within the culinary field as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Professional Baking Certificate, Culinary Applications Certificate, Associates in Culinary Arts Technology, Associates in Baking and Pastry Arts, and Bachelors in Applied Business, Bachelors in Nutrition Science, and Bachelors in Public Health.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Cook, Sous Chef, Garde Manger, Line Chef, Stewart, Restaurant Manager, Cake Decorator, Confectioner, Head Baker, Pastry Chef, Bakery Operations Manager, Catering Operations, Institutional Dining Management, Dietician, Nutritionist, Food Purchasing Agent, Health Inspector, and Food Services Supervisor.

Integrated Academic Curriculum

Three Specialized Culinary Arts Courses

The course requires three (3) years for completion. The Culinary Arts program courses contain a concentration in the following areas: safety, planning, selecting, purchasing, preserving, and preparing. In addition, students are taught professionalism and soft skills. Throughout the program, students will earn the opportunity to obtain three (3) professional certifications. The courses are listed in the Program Schedule section and the full course description can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Culinary Arts Field

- Principles of Business Management
- Computer Applications
- Speech
- Anatomy and Physiology
- Psychology/Sociology

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Elective
4	*US History	*Honors Local, State, National Gov.	* World History	Principles of Business Management
5	*Fit for Life	Elective	Financial Literacy/Health 2	Anatomy and Physiology or Psychology/Sociology
6	Fine Art Credit	World Language (2 Years Required)	Computer Applications	Advanced Professional Cooking/Baking
7	TechEd Credit	First Aid and Safety/Intro Wt. Training	Professional Cooking	Advanced Professional Cooking/Baking
8	World Language (2 Years Required)	Culinary Basics and Principles	Professional Cooking	Advanced Professional Cooking/Baking

*Course level is determined by teachers, counselor, student, and parent. Students are



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

expected to take the level that best challenges and advances their abilities.

DRAFTING AND DESIGN TECHNOLOGY

Designed with a Purpose

In Drafting and Design technology, students start with the basics of technical drawing, then move into computer aided design and drawings used in many engineering fields. Drafting requires students to have a strong conceptual foundation. Focus is on equivalency and linearity, modeling, geometric objects and algebraic expressions. Other courses suggested for this major are Drawing and Design, Architecture and Interior Design, and Physics.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment while designing real world projects. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program student will be expected to prepare and attempt the four (4) certifications: AutoCAD, Revit, Inventor, and Apprentice Drafter Certification. All of the certifications are recognized by the industry. The students' senior year will conclude with a capstone project that integrates their learning and skills acquired throughout the program.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the drafting and design technology profession as a contributing team member. They are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): CNC Machinist Certificate, Architecture, Architecture and Sustainable Design, Building Automation Engineering Technology, Building Construction Technology, Civil Engineering Technology, Construction Management, Engineering CAD Technology, Industrial design, Manufacturing Engineering Technology, Plastics and Polymer Engineering Technology, and Residential Construction Technology and Management.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Drafting Technician, CAD Operator, Architect, Civil Engineer, and Specification Writer.

Integrated Academic Curriculum

Six Specialized Drafting and Design Technology Courses

The Drafting and Design Technology program all contain a concentration in sketches, computer-assisted design, measuring scales, orthographic projection, mechanical drawing, dimensioning, shading, pictorials, modeling, and technical language immersion. In addition, students are taught professionalism and soft skills. Throughout the course, students may earn the opportunity to attempt certification in AutoCAD, Inventor, and Revit in addition to Apprentice Drafter Certification through the American Drafting and Design Association (ADDA). The courses are listed in the Program Schedule section and the full course descriptions can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Drafting Field

- Art
- Architecture and Interior Design
- Physics
- Drawing and Design

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Physics or AP Physics	Chemistry or AP Science
4	* US History	* Local, State, National Government	*World History	Advanced Tech Ed
5	Exploring Computer Science (Tech Ed Required for Grad)	World Language (2 years Required)	Financial Literacy/Health 2	Drawing and Design or Art Elective
6	Art 1 (Program Requirement and Graduation Requirement)	Art 2 or Architecture and Interior Design	Principles of Drafting and Construction Design	Advanced Design and 3D Modeling
7	Fit for Life/Health 1	Intro Construction Development	Principles of Drafting and Construction Design	Advanced Design and 3D Modeling
8	World Language (2 Years Required)	CADD – Computer Assisted Drafting and Design	Revit: 3D Architectural Drafting	Advanced Drafting and Construction Capstone



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities. Courses with multiple options are limited to the options presented to meet program requirements.

ELECTRICAL CONSTRUCTION

Designed with a Purpose

The Electrical Construction program covers a wide variety of areas within the Electrical Industry, to include Electrical Safety, Electrical Theory, use and application of the National Electrical Code, conduit bending, construction drawings, schematics and diagrams, NEC calculations, proper use of electrical test equipment, Residential and Commercial wiring, and Electrical Motor Controls. The program has a strong partnership with local industry groups, local contractors, and various apprenticeships. The National Center for Construction Education and Research (NCCER) provides standards, curriculum and assessments for the program. Students need a strong background in math to be successful in Electrical Construction. Please note that NCCER requires periodic certification exams.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field and both the Electrical Union (IBEW 26) and the Independent Electrical Contractors (IEC) are utilized to maintain the program training and create professional opportunities for excelling program students. In addition, selected students may be recommended for summer internships.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program students will be expected to prepare and attempt the NCCER Construction Core and Electrical Level 1 Certification along with OSHA 10 certification. All of the certifications are acknowledged by the industry. During the students' senior year, students are encouraged to attempt the International Brotherhood of Electrical Workers (IBEW)/Joint Apprenticeship and Training Committee (JATC) aptitude test.

Pathway to Careers and Degrees

Importance of Certification

With the certification, alumni are able to secure positions within the electrical construction profession as a contributing team member. Pending apprenticeship testing scores and interview, students may have the opportunity to secure a position with one of the local apprenticeships. Through these opportunities, students are able to gain valuable experiences that further their understanding of the profession and meet experience requirements for further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Electrical Technology, Electrical Construction, Electrical Power Generation Technology, Electrical Power Generation Technology – Diesel Emphasis, Building Automation Engineering Technology, and Robotics and Automation.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Electrical Apprentice, Journeyman Electrician, Master Electrician, Construction Foreman, Project Manager, Estimator, Business Owner, Construction Management, Fire Alarm Technician, Electrical Engineer, and Telecommunications.

Integrated Academic Curriculum

Three Specialized Electrical Construction Courses

The Electrical Construction program courses all contain a concentration in safety, construction math, proper use of industry equipment, reading and implementing construction drawings, Electrical Theory, NEC standards, conductors, residential wiring, conduit bending, service load calculations, and electrical motor control. The courses are listed in the Program Schedule section and the full course descriptions can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities

College Preparatory Courses Related to the Electrical Construction Field

- Computer Assisted Drafting and Design
- Physics
- Principles of Business Management

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Elective
4	* US History	* Local, State, National Government	*World History	*Physics
5	Exploring Computer Science (Tech Ed Required for Grad)	World Language (2 years Required)	Financial Literacy/Health 2	Principles of Business Management
6	Fine Arts Credit	Advanced Tech Ed	Electrical Construction 1	CADD – Computer Assisted Drafting and Design
7	Fit for Life/Health 1	First Aid and Safety/Introduction to Weight Training	Electrical Construction 1	Electrical Construction 2
8	World Language (2 Years Required)	Foundations of Building and Construction Technology	Electrical Construction 1	Electrical Construction 2



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

ENGINEERING

Designed with a Purpose

The North Point Engineering program is designed for college-bound students who have a strong math and science background and interest, and who wish to pursue a career in engineering. This program encompasses a wide variety of engineering principles including the design process, manufacturing processes, technological systems, and problem-based learning used in a variety of engineering fields. Through their studies, students will have the opportunity to enhance and extend their study of engineering principles.

Students will examine computer applications, CADD, materials science, physics, and computer engineering programming languages such as MATLAB with Simulink and AI. Analyzing, synthesizing and evaluating data will be stressed through laboratory experiences and project design culminating in a senior research and design patent project.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires four (4) years for completion. Throughout the program, students will be expected to master content to build scientific skills to support further learning and will be expected to prepare and attempt the four (4) certifications: AutoCAD, AutoDesk Inventor, and MATLAB. The students' senior year will conclude with a capstone project that integrates their learning and skills obtained throughout the program.

Pathway to Careers and Degrees

Importance of Certification

With the completion of the program and capstone project, students are able to gain valuable experiences that further their understanding of the profession and offer relevant experience for entrance undergraduate programs.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Chemical Engineering, Civil Engineering, Electrical Engineering, Industrial Engineering, Mechanical Engineering and a multitude of specializations with these areas in Engineering.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Chemical Engineer, Civil Engineer, Electrical Engineer, Industrial Engineer, Mechanical Engineer and a multitude of specializations with these areas in Engineering.

Integrated Academic Curriculum

Six Specialized Engineering Courses

The Engineering program courses all contain a concentration in safety engineering principles including the design process, manufacturing processes, technological systems, and problem-based learning used in a variety of engineering field. Students will examine computer applications, CADD, materials science, physics, and computer engineering programming languages such as MATLAB with Simulink and AI. The courses are listed in the Program Schedule section and the full course descriptions can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Engineering Fields

- Multiple Levels of Physics
- Honors Organic Chemistry
- AP Chemistry
- Computer Assisted Drafting and Design
- AP Calculus

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Honors Geometry	*Honors Algebra 2	*Precalculus	*AP Calculus
3	*Earth Systems	*Honors Biology	*World History	AP Environmental Science (only if Earth Systems not taken prior)
4	* US History	* Local, State, National Government	Financial Literacy/Health 2	Computer Assisted Drawing and Design
5	Fit for Life/Health 1	World Language (2 Years Required)	Exploring Computer Science or AP Computer Science Principles	Internship (for eligible students)
6	Fine Arts Credit	AP Physics 1	AP Physics 2	AP Physics C (Mechanics) or AP Statistics
7	World Language (2 Years Required)	Computer Applications for Engineers	Engineering Applications (MATSCI)	Honors Organic Chemistry or AP Science
8	Introduction to Engineering	Engineering Fundamentals	Engineering Applications (MATLAB)	Advanced Engineering Research/Design



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

This program requires students to have successfully completed Algebra 1 prior to beginning high school. AP Environmental Science is only required if Earth Science not taken prior.

GRAPHIC COMMUNICATIONS

Designed with a Purpose

The Graphics Communication program is designed to give students an overall understanding of the graphics and printing industries and their major operations while teaching academic and technical competencies that lead to nationally recognized certifications. Students may gain certification in Introduction to Graphic Communication, Digital File Preparation, Digital Print Production, Screen Printing and Graphic Design. Students may earn college credits through an articulation agreement with the College of Southern Maryland (CSM) and Bridgemont Community and Technical College. Students will complete projects to build their portfolios and are required to take certification exams.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and simulation laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires four (4) years for completion. Throughout the program, students will be expected to master content to build scientific skills to support further learning. The students' senior year will conclude with a capstone project and professional portfolio that integrates their learning and skills obtained throughout the program. Students with a minimum of a B average may earn college credits through articulation agreements. Students will also be required to prepare and attempt certification through the PrintED® National Accreditation and Certification Program in Introduction to Graphic Communication, Digital File Preparation, Digital Production Printing, Screen Printing and Graphic Design.

Pathway to Careers and Degrees

Importance of Certification

With the completion of the program capstone project, professional portfolio, and certifications, students are able to gain valuable experiences that further their understanding of the profession and offer relevant experience for entrance into further training.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Graphic Design, Art, Animation and Motion Graphics, Commercial and Advertising Arts, Digital Arts, Web Design, Industrial and Production Design, Visual Communications, and Interior Design.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Estimator, Assistant Print Shop Manager, Cost Analyst, Customer Service Representative, Bindery and Finishing Technician, Imaging Specialist, Press Operator, Graphic Designer, Print and Digital Production Supervisor, Printing Sales, Purchasing Agent, Desktop Publisher, Pre-press Manager, Print Buyer, and Visual Information Specialist.

Integrated Academic Curriculum

Six Specialized Graphic Design Courses

The Graphic Design program courses all contain a concentration in safety, scope of graphic and printing industries, academic and technical competencies that provide direct application in the digital production process, graphic design, and screen printing. Students will become well versed in the Adobe Suite. The courses are listed in the Program Schedule section and the full course descriptions can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Electrical Construction Field

- Photography
- Drawing and Design
- Ceramics
- Painting
- AP Art Studio
- AP Computer Science

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Exploring Computer Science
4	* US History	* Local, State, National Government	*World History	AP Computer Science Principles
5	Fit for Life/Health 1	World Language (2 years Required)	Financial Literacy/Health 2	AP Art Studio
6	Art 1 (Program Requirement and Graduation Requirement)	Art 2	Art (Specialization Determined by Student)	Photography or Art Elective
7	World Language (2 Years Required)	Advanced Graphic Communications	Digital Print Production	Graphic Internship (For Eligible Students)
8	Introduction to Graphic Communication	Digital File Preparation and Output	Screen Printing	Graphic Design

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

WELDING TECHNOLOGY

Designed with a Purpose

Students in the Welding Technology program learn to cut and weld steel, stainless steel and other metals using a variety of arc welding processes. Students will also learn oxy-fuel cutting, plasma-arc cutting and how to use various other cutting, power tools, hand tools, and welding machines.

Successful students will become proficient in one or more of the following welding processes: SMAW (Stick), GMAW (Mig), GTAW (Tig), FCAW (Flux-core). Students in this program may choose to supplement the welding curriculum with Engineering and Computer Assisted Drafting and Design courses. Students will complete modules from the NCCER in the Core Curriculum for Construction Trades as well as Level 1 Welding.

Program completers will have several options for employment upon graduation. Opportunities include apprenticeship positions with several unions in addition to non-union employment with local manufacturers. Four-year degree programs in Welding Engineering are also options.

Program fees are associated with this program and are set by outside agencies. Program fees may include but are not limited to uniforms, tools, equipment, and the certification process.

Classroom, Simulation Laboratory, and Real-World Experiences

The program incorporates instruction in the classroom and an advanced learning laboratory. Students have the opportunity to learn and demonstrate professional skills utilizing state-of-the-art professional equipment. Partnerships with professional members in the field and local unions are utilized to maintain the program training and create professional opportunities for excelling program students.

Pathway to Program Certification

The course requires three (3) years for completion. Throughout the program, students will be expected to master content, prepare, and attempt National Council for Construction Education and Research (NCCER) module exams. In addition, students will have an opportunity to earn AWS D1.1 Welding credentials.

Pathway to Careers and Degrees

Importance of Certification

With the completion of the program and certifications, students are able to gain valuable experiences that further their understanding of the profession and offer relevant experience for entrance into further training. Students meeting eligibility will have the opportunity to earn 12 credits towards the Welding Engineering programs at Penn College.

Post-Secondary Majors

Possible post-secondary undergraduate majors include (but are not limited to): Additional Welding Certifications, Business Management, Welding Technology, Welding Fabrication Engineering.

Post-Secondary Careers

Possible post-secondary careers include (but are not limited to): Construction Welding, Shipbuilding, Industrial and Production Welding, Welding Technician, Welding Supervisor, Welding Inspector, Iron Worker, Steamfitter, Sheet Metal Worker or Apprentice, Project Manager, Foreman, and Boilermaker.

Integrated Academic Curriculum

Three Specialized Welding Courses

The Welding program courses all contain a concentration in safety, construction math, professional tool usage, blueprint reading, rigging techniques, oxyfuel cutting, preparation and quality, multitude of welding types and procedures. Specific areas include Shield Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Core Arch Welding (FCAW), and Gas Tungsten Arch Welding (GTAW). The courses are listed in the Program Schedule section and the full course descriptions can be found in the Charles County Public School's Program of Study.

College Preparatory Courses

Students are encouraged and expected to take the level of course work for their core academic courses that best challenge and advance their abilities.

College Preparatory Courses Related to the Electrical Construction Field

- Computer Assisted Drafting and Design
- Principles of Business Management Physics

Program Schedule

PLEASE NOTE: Required and recommended courses, course descriptions and course codes are continually being refined and updated. Slight changes to a program may occur during a student's four (4) years at NP. In an effort to make student schedules more flexible during the school year, students are able to take select graduation requirements outside of the school day for Original Credit.

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	*English	*English	*English	*English
2	*Math	*Math	*Math	*Math
3	*Earth Systems	*Biology	*Chemistry	Elective
4	* US History	* Local, State, National Government	*World History	Elective
5	Fit for Life/Health 1	World Language (2 years Required)	Financial Literacy/Health 2	AP Physics
6	Fine Arts Credit	Computer Assisted Drafting and Design	Principles in Business Management	Welding 2
7	TechED Credit	First Aid and Safety/ Introduction to Weight Training	Welding 1	Welding 2
8	World Language (2 years Required)	Foundation of Building and Construction Technology	Welding 1	Welding 2



= CTE Courses



= Graduation Requirement



= CTE Highly Recommended

*Course level is determined by teachers, counselor, student, and parent. Students are expected to take the level that best challenges and advances their abilities.

ABOUT CHARLES COUNTY PUBLIC SCHOOLS

Charles County Public Schools provides over 27,000 students in grades prekindergarten through twelfth grade with an academically challenging education. Located in Southern Maryland, Charles County Public Schools has 38 schools and six educational centers that offer a technologically advanced, progressive and high-quality education that builds character, equips for leadership and prepares students for life, careers and higher education.

Charles County Public Schools Board of Education

- Yonelle Moore Lee, Esq., Chairperson
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- Dottery Butler-Washington
- David Hancock
- Michael Lucas
- Jamila Smith
- Brenda Thomas
- Samichie K. Thomas
- Linda Warren
- Sam Virk, Student Member
- Maria Navarro, Ed.D, Superintendent of Schools

Charles County Public Schools Mission

The mission of Charles County Public Schools is to provide an opportunity for all school-aged children to receive an academically challenging, quality education that builds character, equips for leadership, and prepares for life, in an environment that is safe and conducive to learning.

Nondiscrimination Statement

The Charles County public school system does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, age or disability in its programs, activities or employment practices. For inquiries, please contact Dr. Mike Blanchard, Title IX/ADA/Section 504 Coordinator (students) or Nikial M. Majors, Title IX/ADA/Section 504 Coordinator (employees/ adults), at Charles County Public Schools, Jesse L. Starkey Administration Building, P.O. Box 2770, La Plata, MD 20646; 301-932-6610/301-870-3814. For special accommodations call 301-934-7230 or TDD 1-800-735-2258 two weeks prior to the event. CCPS provides nondiscriminatory equal access to school facilities in accordance with its Use of Facilities rules to designated youth groups (including, but not limited to, the Boy Scouts).