

Why attend CCC?

- Earn 3 to 6 high school credits and, in many programs, college credits.
- Participate in hands-on learning in labs with industry standard equipment, tools, and software.
- Take advantage of the opportunity to earn industry credentials, licenses, and certifications.
- Prepare for entry into the workforce and/or postsecondary training.
- Take advantage of apprenticeship and internship opportunities in select classes that provide on-the-job skill development and work with professionals in the field.

How to Apply

- Discuss the program options with your parents and select the program that most interests you.
- Meet with your School Counselor to ensure that the program you have chosen fits into your four-year plan and that you meet program requirements.
- Complete a CCC application. Applications can be found in your high school's counseling office, at CCC and on CCC's website.
- Obtain required signatures and immediately return the application to your School Counselor for processing.

Student Organizations



Transportation

Transportation is provided by CPS buses from student's home school.

Program Information

- 2 blocks every day, full year
- Industry certifications for programs at CCC may be obtained pending successful completion of programs and passing related exams.
- Students interested in the dual enrollment option must meet TCC's acceptance requirements.

Work-Based Learning

Work-Based Learning is available to CCC students. At actual work sites, students have the opportunity to integrate occupational and academic learning and to obtain skills necessary for a successful transition into the workforce. Students benefit from participating in internships, apprenticeships, clinical experiences, community-based volunteering, and job shadowing. The Workforce Development Coordinator successfully collaborates with local businesses and industry representatives to secure work-based learning experiences for students.

Mission

The mission of the Chesapeake Career Center is to prepare students for successful entry into the modern workforce, to include post-secondary education by providing quality instruction in theory and practical skills in an equitable environment.



1617 Cedar Road
Chesapeake, VA 23322
757-547-0134

<http://www.cpschools.com/cc>

For more information, please contact
your high school counselor.

Chesapeake Career Center

Dr. Shonda Pittman-Windham, *Program Administrator*

Dr. Karin Collier, *Assistant Principal*

Mrs. Laura Edmonds-Young, *School Counselor*

Mrs. Joy Speelman, *Workforce Development Coordinator*

Follow us on Twitter and Instagram; Like us on Facebook

For program competencies, please visit
Virginia's CTE Resource Center
Career & Technical Education's website:
<http://cteresource.org/verso>

The Chesapeake Public School System is an equal educational opportunity school system. The School Board of the City of Chesapeake also adheres to the principles of equal opportunity in employment and, therefore, prohibits discrimination in terms and conditions of employment on the basis of race, sex, national origin, color, religion, age, or disability.



**PREPARING TODAY'S STUDENTS FOR
TOMORROW'S CAREERS**

2020-2021 Program Descriptions

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Chesapeake, Virginia 23322
Telephone (757) 547-0134**

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2020-2021 Program Descriptions

ONE YEAR PROGRAMS

ELECTRICITY I & II – GRADE 11, 12

Electricity provides instruction in the installation, operation, maintenance, and repair of residential, commercial, and industrial electrical systems. Students will also study electrical theory and mathematical problems related to electricity, navigate the National Electrical Code Book, select and install conductors, examine lighting, communication, and power systems, and work with conduit and raceways, panel boards, switchboards, grounding systems, and generators. Dual Enrollment is required. *NOCTI-Electrical Construction Technology Assessment and OSHA Certification*. Potential median salary of an Electrician is \$57,890 per year/\$27.83 per hour.

EMERGENCY MEDICAL TECHNICIAN – GRADE 11, 12

Emergency Medical Technician (EMT) prepares students to take the Emergency Medical Technician Basic Licensure Exam administered by the National Registry of Emergency Medical Technicians. This program includes instruction in dealing with bleeding, fractures, airway obstruction, cardiac arrest, and emergency childbirth. The curriculum includes a practical applications component, provided through emergency room and ambulance “ride along” experiences; the minimal age of 16 is required to enroll. *EMT VA State Licensure*. Potential median salary of an EMT is \$34,320 year/\$16.50 per hour.

HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION I & II – GRADE 11, 12

Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC), teaches students to professionally install, repair, and maintain the operating conditions of heating, air conditioning, and refrigeration systems. Students work with piping and tubing, study the principles of heat and electricity, install duct systems, and comply with EPA regulations. Youth Apprenticeship Opportunity. *EPA – Section 608 Technician and OSHA Certification*. Potential median salary of an HVAC Technician is \$47,610 per year/\$22.89 per hour.

NAIL TECHNOLOGY I & II – GRADE 10, 11, 12

Nail Technology assists students in developing skills and technical knowledge relating to manicuring, pedicuring, and basic nail care. Students study career opportunities, professional ethics, nail structure, anatomy of the hands and feet, sterilization/sanitation, product chemistry, and safety procedures. *Nail Technician VA State Licensure*. Potential median salary of a Nail Technician is \$24,330 per year/\$11.70 per hour.

NURSE AIDE I & II – GRADE 11, 12

Nurse Aide prepares students for an entry-level position as a health care professional in a hospital or nursing home. In addition, this program provides basic medical/nursing experience for students in a medical facility under their instructor's supervision. Course topics include anatomy and physiology, medical terminology, first aid and CPR, and basic nursing skills. *National Nurse Aide Assessment*. Potential median salary of a Nurse Aide is \$28,530 per year/ \$13.72 per hour.

PHARMACY TECHNOLOGY I & II – GRADE 12

Pharmacy Technician provides students with the basic skills and knowledge to begin work as a pharmacy technician. Course topics include receiving and processing of medication orders, data collection and record keeping, maintaining medication and inventory and other basic pharmacy technician skills. Upon successful completion of the course, students are eligible to take the national examination administered by the Pharmacy Technician Certification Board. Dual Enrollment is optional. *Certified Pharmacy Technician, (ExCPT) Examination (NHA)*. Potential median salary of a Pharmacy Technician is \$32,700 per year/ \$15.72 per hour.

PUBLIC SAFETY/ FIREFIGHTING – GRADE 11, 12

Public Safety/Firefighting prepares students to fight fires and control the outbreak of fire. Instruction includes fire department organization, use of various kinds of equipment, methods of entry and rescue, salvage practices and equipment, fire and arson inspection and investigation techniques. The minimal age of 16 is required to enroll. *Workplace Readiness and National Incident Management System (NIMS) Certifications*. Potential median salary of a Firefighter is \$49,620 per year/\$23.85 per hour.

TWO YEAR PROGRAMS

AUTO BODY I, II & III COLLISION AND REFINISHING – GRADE 11, 12

Auto Body I and II provides instruction in non-structural analysis, car damage repair, and welding. Students will work with a variety of materials, using metal finishing and body filling techniques to prepare surfaces and repair panels. In addition, students practice shop safety and gain career skills. Dual Enrollment is required. *I-CAR Pro Level 1 Refinishing Certification*.

Auto Body III allows students to further apply the tasks/competencies learned in I and II. Students who successfully complete the program sequence will be prepared to take and pass *I-CAR Pro Level 2 Refinishing Certification*. Dual Enrollment is required. Potential median salary of an Auto Body Technician is \$41,330 per year/\$19.87 per hour.

AUTOMOTIVE TECHNOLOGY I & II – GRADE 11, 12

Automotive Technology I, Powertrain Specialist provides instruction in the theory, repair and light maintenance skills relating to automotive engine rebuilding, electrical and electronic systems, automatic and manual drivetrain, and engine performance. Upon successful completion of Auto Technology I, students return to take Automotive Technology II.

Automotive Technology II, Undercar Specialist provides advanced instruction in the theory, repair and light maintenance skills relating to automotive electrical systems, suspensions, steering, heating and air conditioning systems and brakes. This program is certified by the National Institute for Automotive Service Excellence (ASE). *ASE Student Certification*. Potential median salary of an Automotive Technician is \$40,710 per year/\$19.57 per hour.

COSMETOLOGY I & II – GRADE 11, 12

Cosmetology I students study hair, skin, and nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using mannequins for manipulative skill practice. This course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures. Upon successful completion of Cosmetology I, students return to take Cosmetology II.

Cosmetology II students develop skills and technical knowledge relating to advanced hair coloring, hair pressing, facials, cosmetic make-up, wig styling, selection of commercial products, and salon management. *Cosmetology State Licensure*. Potential median salary of a Cosmetologist is \$24,830 per year/\$11.94 per hour.

CYBERSECURITY FUNDAMENTALS/ADVANCED CYBERCURITY – GRADE 11, 12

Cybersecurity Fundamentals/Cybersecurity Systems Technology introduces the principles of cybersecurity, explore emerging technologies, examine threats and protective measures, and investigate the diverse high-skill, high-wage, and high-demand career opportunities in the field of cybersecurity. Students will install, configure, and secure various operating systems. Students will troubleshoot computers and use system tools and diagnostic software. They develop skills in computer networking and resource sharing. Dual Enrollment is required. *A+ Certification*.

Advanced Cybersecurity Systems Technology provides students with training in procedures for optimizing and troubleshooting concepts for computer systems, subsystems, and networks. Students will gain a basic understanding of emerging technologies including unified communications, mobile, cloud, and virtualization technologies. The course prepares students for postsecondary education and training and a successful career in information technology. Dual Enrollment is required. *CompTIA required A+ and Network+ certifications*. Potential median salary of a Computer Systems Analyst is \$98,350 per year/\$47.28 per hour.

DENTAL ASSISTANT I & II – GRADE 11, 12

Dental Assistant I introduces students to the careers in dentistry, including dentist (general and specialists), hygienist, dental assistant, dental laboratory technician, and dental receptionist. Students practice and learn about many of the skills utilized in these professions while attaining all the skills necessary to become entry-level dental assistants. Study includes infection control and OSHA standards; anatomy and physiology; tooth morphology; oral histology; preventive dentistry; applied psychology; effective communication; office administration and management; use of dental software; operative dentistry techniques; and dental materials/laboratory skills. Upon Successful completion of Dental Assistant I, students return to take Dental Assistant II.

Dental Assistant II students will build upon the skills learned during their first year. Additional units of study include medical emergencies, coronal polishing, oral pathology, nutrition, schedule IV drugs and pharmacology, and advanced laboratory techniques. *Radiation Health and Safety National Board Exam*. Potential median salary of a Dental Assistant is \$38,660 per year/\$18.59 per hour.

MECHATRONICS I, II & III – GRADE 11, 12

The Mechatronics Pathway is a 2-year program in which students will learn about mechatronic systems. These systems are comprised of mechanical, electrical, and software systems and they form the foundation of robotics, automation, and advanced manufacturing. Students will troubleshoot and resolve malfunctioning pneumatic and hydraulic components and circuits. Upon successful completion, students may qualify for industry certification. In the second year of the pathway, students will build on their knowledge of mechatronic systems. Dual Enrollment is required. Recommended prior to enrolling: Technology of Robotics Design. *Workplace Readiness*. Potential median salary of a Mechatronics Engineer is \$57,790 per year/\$27.78 per hour.

PRACTICAL NURSING I & II – GRADE 12

PRACTICAL NURSING III (POST GRADUATE)

Practical Nursing Program is an 18-month program of study designed for high school seniors and a limited number of adults. Practical Nursing I & II, is a weighted course, approved by the Virginia Board of Nursing. Emphasis is given to human anatomy and physiology, growth and development, nutrition, drug therapy, fundamentals of nursing, the nursing process, and the introduction to medical-surgical nursing. Clinical rotations at a local hospital provide students with the opportunity to apply learning to the care of clients with medical-surgical disorders. *National Nurse Aide Assessment*.

Practical Nursing III is a full-time course consisting of approximately 1,000 instructional hours. These hours are divided between classroom theory and clinical practice in area health care facilities. Emphasis is on application of the nursing process to the care of clients from birth to old age with medical, surgical, obstetrical, pediatric, geriatric, and psychiatric disorders. Students earn at least 16 credits towards a RN degree at TCC and NSU. Prerequisites prior to enrolling: Algebra 1, Biology, Chemistry, 2.5 grade point average. *National Council of the State Board of Nursing (NCLEX-PN)*. Potential median salary of a Licensed Practical Nurse is \$46,240 per year/\$22.23 per hour.

WELDING I & II – GRADE 11, 12

Welding I students develop knowledge and skills in occupational awareness, drawings, welding symbols, shielded metal arc welding, gas metal arc welding, flux cored arc welding, gas tungsten arc welding, oxy-fuel welding and cutting, plasma arc cutting, carbon arc cutting practices, and visual inspection principles and practices. Students, who successfully complete Welding I, return to take Welding II.

Welding II students fine-tune their craft by performing welds in various positions, using multiple welding processes. Students learn and develop advanced skills in the welding industry including job hunting skills, following written and verbal directions, interpreting and applying welding symbols and basic drawings. Students must demonstrate proficiency in welding and cutting processes. Dual Enrollment is optional. Pre-Apprenticeship Opportunity. *SkillsUSA Welding Proficiency Assessment*. Potential median salary of a Welder is \$41,380 per year/\$19.89 per hour.