


**DO SOMETHING
TODAY...**

**...THAT YOUR FUTURE
SELF WILL THANK
YOU FOR.**



**CUMBERLAND COUNTY
TEC**

The logo for Cumberland County TEC features a stylized 'C' and 'T' formed by interlocking geometric shapes. The 'C' is composed of four grey L-shaped blocks, and the 'T' is composed of four dark blue L-shaped blocks. Below the logo, the text 'CUMBERLAND COUNTY' is in a smaller, grey, sans-serif font, and 'TEC' is in a large, bold, dark blue, sans-serif font.



CUMBERLAND COUNTY

TEC





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PROPERTY OF
CCTEC
2020
STUDIO PRODUCTION
AND BROADCASTING

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What Makes CCTEC *Unique?*

PARENTS

With a state-of-the-art campus and college dual-enrollment options, CCTEC redefines what a career and technical school should be.

- More in-depth, comprehensive and hands-on career training
- Innovative, high-tech, customdesigned learning spaces
- Student-centered programs that reward initiative and creativity
- Opportunities to earn industry certifications
- College credits toward a postsecondary degree

Each program is guided by our business and industry partners.

Their role is to:

- Inform instructors of current industry trends and practices
- Ensure curriculum keeps pace with emerging developments
- Promote partnerships between academic departments and local businesses
- Seek out industry-related tours and job shadowing opportunities
- Assist with expansion of career and technical programs as needed
- Support CCTEC promotional activities and student recruitment

STUDENTS

What kind of high school experience do you want?

- A field of study that excites you
- Active, challenging and hands-on learning
- Cutting-edge technology in “smart” classrooms
- Grades that reflect how you apply your knowledge
- Instructors who care about your education

You have the right to an education that fits your needs.

*This is specialized education for tomorrow’s world
– your world.*



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MISSION

Our Mission is to provide each student a pathway into the global workforce with advanced educational options.



VISION

Our Vision is to be the global leader in educating exceptional career and college-ready students.

Specialized Studies for Tomorrow's World

At CCTEC, we believe that county career and technical education offers students a chance to explore various careers early, and help them develop the skills they need for success in any field. Studies show that about 75 percent of New Jersey county career and technical school graduates go on to two- or four year colleges, or other advanced technical training. With a strong academic and technical foundation, these students are able to make the most of college to advance their career opportunities.

All students have two options for their educational path:

A Career and Technical Education Program

This pathway major is designed specifically for students who prefer to enter their chosen career immediately after graduation with the option to continue their education in a post-secondary program.

A Career and Technical Education Program of Study

This pathway includes rigorous preparation for demanding careers and is designed for students planning to attend a college or university after graduation.



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Automotive Technology



The automotive industry is quickly evolving and the need for highly skilled automotive professionals is at the forefront of this new era of mobility. Automotive Technology is designed to meet the ongoing demand for trained, certified Automotive Technicians. This program offers hands-on training to repair and maintain the mechanical and electronic systems on board today's vehicles.

Our Automotive Technology program includes high-tech training in the following areas: suspension and steering, brakes, electrical electronic systems, engine performance, engine repair, automatic transmission, transaxle, manual drive train and axles, and heating and air conditioning. Additionally, students are introduced to the workings of computer diagnostics as they relate to modernized transmission systems. These areas combine to give the students an exposure to the entire field. Students will work on vehicles using state ofthe-art equipment in their performance of routine maintenance, and diagnosis and repair.

Our program is certified by the National Automotive Technicians Education Foundation (NATEF). Automotive Technology prepares students to take the Automotive Service Excellence (ASE) Certification Test to gain an entry-level position in the field. Students will also have the skills and training to move into higher levels of training for more specialized positions.







Construction Trades



The construction industry has experienced a winding road of recovery. The good news for those considering a construction job is that the industry is starting to hit its stride. The Labor Department remains upbeat on this sector, predicting overall employment growth of 13.6%, or almost 520,000 new jobs by the year 2024. Plumbers, electricians, carpenters, painters and construction managers will be needed to build new structures and update existing buildings. Building professionals must have a broad base of skills and knowledge about the upkeep of buildings, including metalwork and electrical equipment. They must also be fully knowledgeable about federal and state OSHA regulations.

Our Construction Trades program will help to prepare students for careers in the construction industry. The program offers a blend of carpentry, plumbing/HVAC, and electrical skills. Students begin with carpentry and then explore the fundamentals of electrical wiring and pipe fitting. They will be trained to operate hand and power tools and other specialized equipment.

At the conclusion of the program, these three areas will culminate in the construction of a fully functioning, sustainable structure. The students will be evaluated on accuracy, speed, and quality of workmanship required to pursue a successful career in the construction trades pathway.



Cosmetology



According to the United States Department of Labor, the U.S. employment rates for personal appearance professionals such as hairdressers, hairstylists, cosmetologists, skin care specialists and shampooers are projected to grow. Job growth in cosmetology is expected to rise at a rate of 13% by 2022. This growth could lead to greater demand for hairdressers, stylists, barbers, and cosmetologists over the next decade.

The field of cosmetology offers a variety of options for students to choose from in terms of career pathways. This occupation also allows individuals to choose which work environment suits them best. Our Cosmetology program is a four-year pathway designed for students interested in pursuing careers in the field of beauty that include: hairstylists, barbers, estheticians, manicurists, makeup artists, beauty product designers, and salon managers. In the first and second years, students are taught the basics of draping, shampooing, manicuring, pedicuring, hair cutting and styling, permanent waving, facials, make-up, and hair removal. The third and fourth years concentrate on hair coloring, chemical hair straightening, advanced nail techniques, barbering, hair extensions, and microdermabrasion.

The Cosmetology program fulfills the licensing requirements of the New Jersey State Board of Cosmetology and provides students with the 1,000 hours needed to take the state exam. Students who have completed the program are given the opportunity to take the State Board Examination to become a Certified Cosmetologist.





Culinary Arts



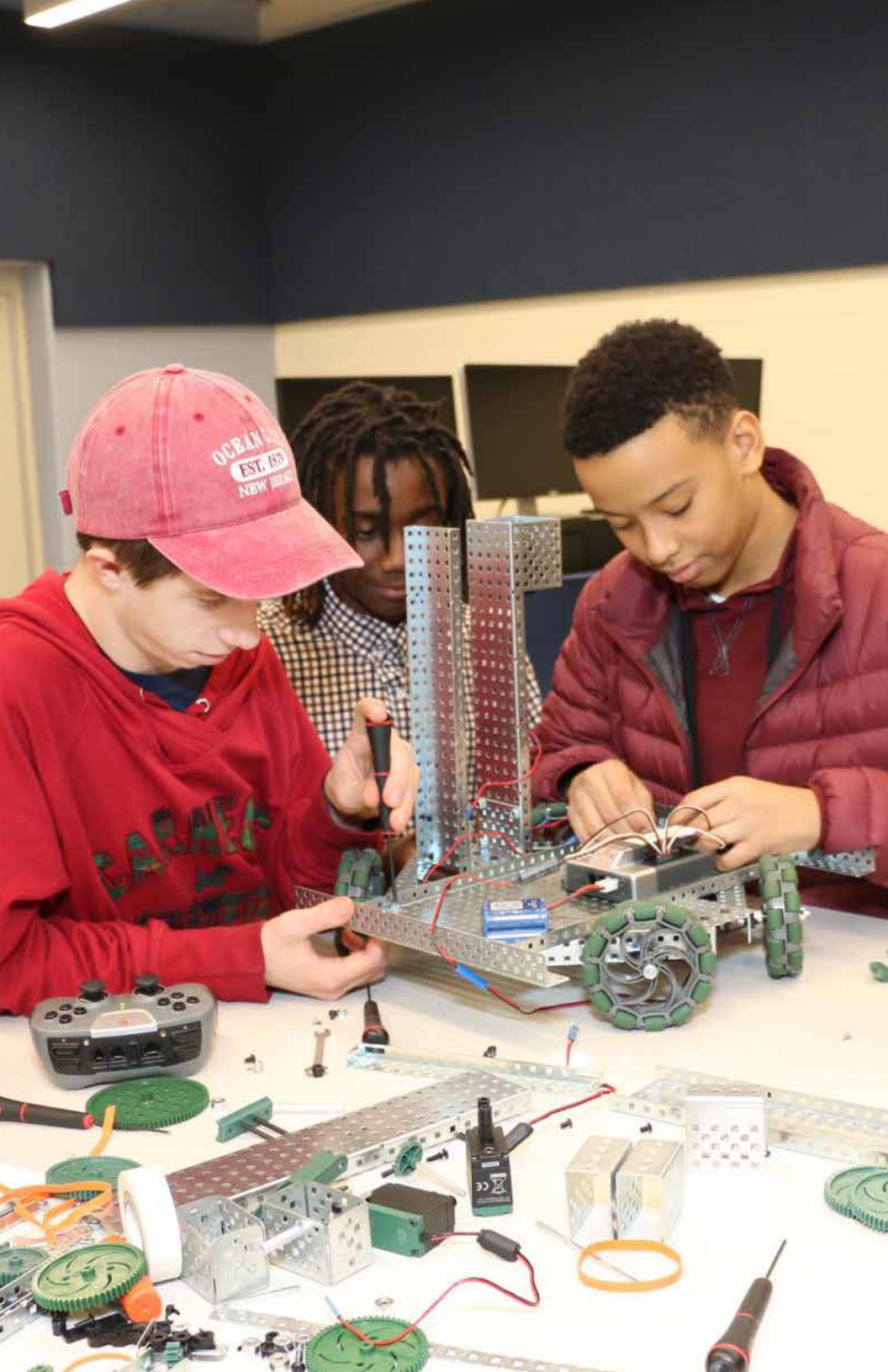
The U.S. Department of Labor reports that job growth in the culinary arts field is expected to increase in the next decade. The field of Culinary Arts offers extensive career opportunities in an exciting and challenging profession. Individuals interested in careers in the culinary arts have substantial and varied opportunities. These individuals can choose to work in any food service facility including restaurant settings, resorts, cruise ships, hotels, cafeterias and bakeries. This field can even offer work as private chefs/cooks, caterers, consultants or managers.

Employment opportunities are not geographically limited; positions in culinary arts can be obtained in nearly every region of the country and around the globe. Industry professionals can obtain positions as head cooks, sous chefs, sub chefs, executive chefs, chefs de cuisine, cafeteria chefs or shortorder cooks. These individuals can specialize in certain types of cuisine and food preparation. The possibilities in the culinary arts field for interested individuals are endless.

Our program prepares students for a professional role in the fast-growing commercial food industry. Students begin with basic food preparation skills and advance to areas such as purchasing, managing, and leading. The program emphasizes safety and sanitation along with the proper use of equipment and utensils. The curriculum combines theoretical foundations of terminology, culinary skills, safety, and industry standards with practical, hands-on experiences.

Upon program completion, students will take the ServSafe New Jersey certification for safe food handling. Students will also have the skills and training necessary to continue their studies at a culinary institute or to enter into the workforce upon graduation.





Engineering Technology



Science and engineering occupations are leaders in economic competitiveness in an increasingly globalized world. Science and engineering workforces of sufficient size and quality are essential for any 21st century economy to prosper. These professional workforces also are crucial for addressing challenges such as international security, global climate change, and domestic and global health. Of the top 10 highest-paying college majors, seven of them are in engineering.

Our Engineering program engages students in open-ended problem-solving, where they learn to apply the engineering design process to solve real-world problems and help to make the world a better place through innovation. Students will utilize the same industry-leading technology and software present in some of the world's top companies. They will be immersed in design as they investigate topics such as sustainability, forces, structures, digital electronics and circuit design, manufacturing, and the environment. All of these exposures provide our students with the opportunity to learn about different engineering disciplines before beginning post-secondary education or careers. Additionally, our program provides opportunities for students to develop highly transferable skills in collaboration, communication, and critical thinking, which are relevant for any coursework or career.

This pathway includes a rigorous series of courses designed by Project Lead The Way (a nonprofit, STEM education program taught across the U.S. and endorsed by the nationally recognized College Board). The courses include: Introduction to Engineering Design, Digital Electronics, Principles of Engineering, Environmental Sustainability, Computer Integrated Manufacturing, and Civil Engineering and Architecture. Students who successfully complete CCTEC's Engineering program and meet the acceptance criteria of Rowan University will automatically be accepted into Rowan's College of Engineering. Furthermore, as a part of our dual credit arrangement with the University, students will earn dual college engineering credits.





Health Science and Medicine



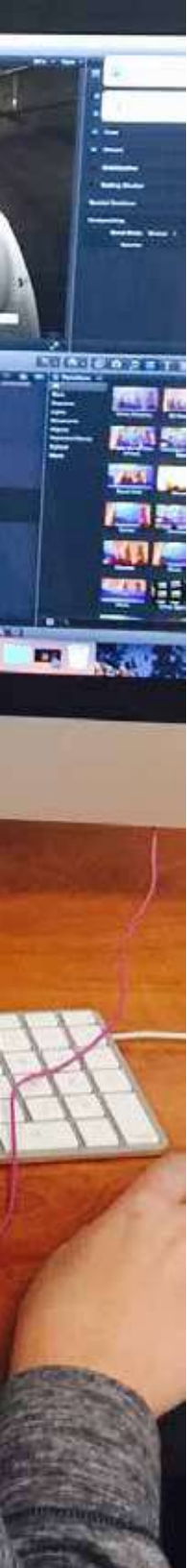
The health care industry is one of the fastest-growing sectors in the realm of employment opportunities, as well as the number one employer in Cumberland County. The overall health, both of New Jersey's economy and its people, is clearly tied to the capabilities of this evolving profession. Our program will help to prepare students for a wide array of career opportunities in the health care field including: nurses, surgical technicians, physicians, dentists, pediatricians, physical therapists, dietitians, pharmacists, and various other health care occupations. The curriculum provides an overview of the different fields present in the health care sector along with targeted courses on systems of the human body, medical terminology, nutrition, and various aspects of clinical research and emergency care.

This pathway includes a rigorous series of courses including: Dynamics of Health Care, Medical Terminology, Emergency Clinical Care, Scientific Principles of Nutrition, Anatomy and Physiology, and Introduction to Clinical Research.

Students additionally will have the opportunity to earn dual credit by taking these classes through CCTEC's partnership with Rutgers University. As an additional program feature, students will be able to gain certifications for entry-level health care positions upon high school graduation.







Information Technology



Information Technology (IT) remains one of the fastest-growing and highest paid employment sectors in the state of New Jersey. The annual average wage for job opportunities in New Jersey's technology cluster was \$103,797 in 2014 (That's 173% of the statewide average (\$60,146 for all industries). Like many other STEM fields, the current demand and supply are mismatched, as computer science career openings outpace students' skills and interest. Also, like many other fields, computer science interest starts long before a student decides on a major or even applies to college.

Our Information Technology program gives our students access to the very latest in computational thinking. The curriculum empowers students to become creators rather than consumers of the technology, coupled with exploring the impact of computing on society and building skills in digital citizenship and cybersecurity. Through this program students will learn the latest in the creation of apps for mobile devices, game design, programming language, visualization of data, cyber security, and designing and implementing user interfaces and webbased databases.

This pathway includes a rigorous series of courses designed by Project Lead The Way (a nonprofit, STEM education program taught across the U.S. and endorsed by the nationally recognized College Board). The courses include: Introduction to Computer Science, Computer Science Principles, Computer Science A, and Cyber Security. The pathway will also integrate various technology-driven business courses to ensure students have a broader perspective on consumer demands including: Fundamentals of Business, Digital Business Tools, and Digital Technology and Management.





Law Enforcement



New Jersey ranks as one of the top states when it comes to employment of protective service occupations. The State also ranks as the second highest in the nation for wage and compensation levels for protective service and law enforcement professionals. Our Law Enforcement Program is a four-year multi-level program designed for students interested in pursuing careers in public safety such as police officers, detectives and criminal investigators, Federal Bureau of Investigation (FBI) agents, correctional officers, private detectives, investigators, and various other protective service professions. The curriculum provides an overview of the entire criminal justice system's response to crime from the commission of the crime, to law enforcement response, to the administration (courts and prosecution), to corrections.

The core courses include: Introduction to Law Enforcement, Administration of Justice, Cultural Diversity Issues in Criminal Justice, Crime Analysis and Mapping, Criminalistics, Police Role in the Community, and Public Administration. These courses will provide an overview in areas such as public safety, corrections, private security, criminal investigation, forensic science, homeland security and cyber security.

CCTEC has also established relationships with key law enforcement professionals along with dual credit at Rowan College of South Jersey - Cumberland Campus for the provided Law Enforcement courses.





TEC 

TEC





Studio Production and Broadcasting



Careers in communications are found at all levels of an organization. In particular, the video field offers a wide range of specialties to choose from. Our program focuses on the methods and techniques for reporting, producing, and delivering news and news programs via television and video/film media. It is a four-year pathway designed for students interested in pursuing careers in the digital media industry including: professional broadcast journalists, editors, producers, directors, managers, and various other video broadcasting professions.

Major areas of study include: the principles of broadcast technology; broadcast reporting, on- and off-camera and microphone procedures and techniques; program, sound, and video/film editing; program design and production; media law and policy; and professional standards and ethics.

The core courses include: Introduction to Media Production and Broadcasting, Digital Video Production, Motion Graphic Design, Studio Production, Digital Production and Audio Engineering, and Digital Film Making and Appreciation. Various CCTEC courses will align with Rowan University's College of Communication and Creative Arts course offerings.







Welding Technology



From skyscrapers to cars, bridges to boats, welding shapes lives and communities every day. In fact, most people are surprised to learn that half of our nation's total gross national product includes welding work, products, and services of some kind. From manufacturing to construction, the demand for welders is strong. Specifically, in the state of New Jersey, hundreds of welding jobs are expected to become available at the brand-new Holtec Center being built in Camden. The Center is being configured to foster a synergistic environment for developing innovative designs for the power industry and for the manufacturing of complex weldments in a 21st century world.

Over the course of four years, the CCTEC welding program will help to develop student skills in the following areas: shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, plasma arc welding, and oxyfuel gas cutting. Students will also be able to prepare parts from simple sketches or blueprints, prepare welded joints from welding symbol information, and make minor external repairs to equipment and accessories.

Prior to program completion, students will take the American Welding Society Entry Level Welding Certification Workmanship Qualification Test.

How the School Year Works



We are a High School that Stands Out!

CCTEC is a school with purpose that is uniquely suited to foster your child's talents and interests. Every graduate gains a wealth of experience that puts them on the track to success in life and chosen profession.

The education we provide is exceptional because it focuses on what students can actually do with their knowledge and learn the skills they need to build a successful career.

Your Right to Choose

The state of New Jersey ensures that you have the right to choose CCTEC as your child's high school under New Jersey Title 18A:54-20.1. As a parent, you are naturally concerned about choosing a school with the right social experience for your son or daughter. CCTEC students quickly bond over shared interests and life goals, forming friendships that prove valuable in school and long afterward.

Program Basics

Each day is split into four, 80-minute blocks, giving students and instructors the time they need for deeper topic discussion, hands-on projects and educational experiences geared toward what each student needs to develop subject mastery.

CCTEC OFFERS THE HIGHEST-QUALITY EDUCATION

*combining academic learning,
technical training, problem-solving,
personal responsibility, communications skills
and the ability to work in a team.*



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How the School Year Works



Technology at the Core of Learning

In New Jersey, county vocational/technical school programs embrace rigorous academics and include a strong emphasis on technology. Each CCTEC student is issued a Chromebook laptop computer to enhance instructional purposes in all learning environments, including classrooms, media centers, at home and anywhere students complete coursework. This device is intended for the student to use throughout their career at CCTEC giving them complete access to the tools they need for academic success.

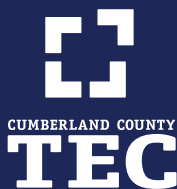
Preparing for College

CCTEC awards graduates a New Jersey High School Diploma at the successful completion of their academic program. Complete graduation requirements are available at www.CCTECnj.org.

CCTEC is committed to meeting the individual needs of each student by encouraging their full academic and vocational/technical potential. Throughout their academic career at CCTEC, students are given the tools to succeed on the SAT and ACT, the standardized tests required for entrance into college and universities.

Dual credits can be earned through CCTEC's partnerships with Rowan College of South Jersey - Cumberland Campus, Rowan University, Rutgers University and others. Select programs allow students to gain certifications in their field at the time of graduation.

**MANY STUDENTS WHO GRADUATE
from county vocational/technical
schools with a license or certification use
those skills to work part-time
to pay for college.**



Student Life



Well-rounded students also need positive and constructive social programs to supplement their academic education. At CCTEC, we offer Honor Societies, Student Council, Student Newspaper and many other engaging extracurricular activities to ensure that our students have a complete high school experience. Our most popular activities include:



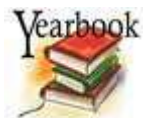
Interact



Special Olympics



Student Council



Yearbook



Newspaper



HOSA



SkillsUSA



Robotics



**Mock Trial/
Model Congress**



Channel One Club



GSA



Art Club



Spanish Club



**National FFA
Organization**

For More Information:

www.cctecnj.org/students/clubs/

Cumberland County Board of Vocational Education

Public Annual Notification

Regarding Career and Technical Education

In accordance with federal law, USDE Guidelines IV-O, Title VI: 34 C.F.R. § 100.6 (d), this notice shall serve to advise students, parents, employees and the general public that all Career and Technical Education (CTE) opportunities offered by Cumberland County Board of Vocational Education will be available to all students regardless of race, color, national origin, gender or disability.

Cumberland County Board of Vocational Education is committed to maintaining environments for all students, employees and visitors that are free from discrimination and harassment. In accordance with State and Federal law, Cumberland County Board of Vocational Education does not discriminate and prohibits discrimination on the basis of the following protected classes and/or characteristics, in all of its programs and activities, including but not limited to employment, promotion, admissions, and access to all career and technical programs: race; creed; color; sex; gender; pregnancy; gender identity or expression; national origin; nationality; age; ancestry; marital status, domestic partnership, or civil union status; religion; affectional or sexual orientation; atypical hereditary cellular or blood trait; genetic information; liability for military service; protected veteran status; mental or physical disability (including perceived disability, aids and HIV-related illnesses); harassment (related to any of the forgoing categories); retaliation for filing a complaint of, or participating in an investigation of discrimination; and any other category protected by law.

Cumberland County Board of Vocational Education offers courses that may lead to certificates in CTE. Our CTE courses are in, but not limited to, the following subject areas:

- Automotive Technology
- Construction Trades
- Cosmetology
- Culinary Arts
- Engineering Technology
- Health Science and Medicine
- Information Technology
- Law Enforcement
- Studio Production and Broadcasting
- Welding

Cumberland County Board of Vocational Education Admissions

Students are admitted into Cumberland County Board of Vocational Education programs without regard to race, color, national origin, gender or disability. CTE courses, program offerings, information and admission criteria can be found by visiting www.cctecnj.org The Board will take steps to ensure that the lack of English-language proficiency will not be a barrier to admission and participation in CTE programs.

Complaints and Requests for Accommodations

The following individuals have been designated to handle complaints and inquiries, as indicated:

Complaints

Mr. Andres Lopez
Affirmative Action Officer/Title IX Coordinator
3400 College Drive
Vineland, NJ 08360
alopez@cctecnj.org
856-451-9000



All complaints of discrimination, including those concerning Affirmative Action/Title IX, should be directed to Mr. Lopez.

Student Accommodation Requests

Dr. Celese Nolan
Assistant Principal
3400 College Drive
Vineland, NJ 08360
cnolan@cctecnj.org
856-451-9000

All requests for accommodations from Cumberland County Board of Vocational Education students, pursuant to Section 504 or the ADA, should be directed to Dr. Nolan.

Employee, Guest, and Visitor Accommodation Requests

Dr. Celese Nolan
Assistant Principal
Section 504 Administrator and ADA Coordinator
3400 College Drive
Vineland, NJ 08360
cnolan@cctecnj.org
856-451-9000

All requests for accommodations from Cumberland County Board of Vocational Education employees, guests, and visitors, pursuant to Section 504 or the ADA, should be directed to Dr. Nolan, the Section 504 Administrator and ADA Coordinator. All matters, other than student accommodation requests and complaints, also may be directed to Dr. Nolan.



The Cumberland County Board of Vocational Education does not discriminate and prohibits discrimination in all of its programs and activities, as required by State and Federal law.

The following persons, as indicated, can be contacted regarding complaints of discrimination and inquiries regarding Section 504, Americans with Disabilities Act, Title IX, and reasonable accommodations.

**Employee, Guest, and Visitor
Accommodation Requests**

Dr. Celese Nolan
Assistant Superintendent
3400 College Drive
Vineland, NJ 08360
cnolan@CCTECnj.org
Phone: 856.451.9000

**Student Accommodation
Requests**

Dr. Celese Nolan
Assistant Superintendent
3400 College Drive
Vineland, NJ 08360
cnolan@CCTECnj.org
Phone: 856.451.9000

Complaints

Mr. Andres Lopez
Assistant Superintendent
3400 College Drive
Vineland, NJ 08360
alopez@CCTECnj.org
Phone: 856.451.9000

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All requests for accommodations from Cumberland County Board of Vocational Education students, pursuant to Section 504 or the ADA, should be directed to Dr. Celese Nolan.

All complaints of discrimination, including those concerning Title IX, Section 504, and the ADA should be directed to Mr. Andres Lopez.



FREQUENTLY ASKED QUESTIONS

WHO CAN APPLY?

Applicants must be enrolled in 8th grade and live in Cumberland County.

HOW CAN STUDENTS APPLY?

Interested applicants must attend one of six information sessions with a parent or legal guardian. Following the information session, parents will receive the application via email.

HOW ARE APPLICANTS SELECTED?

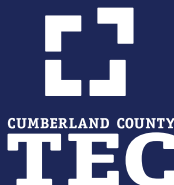
The following criteria will be considered for admission:

- 7th Grade Final Report Card
- First Marking Period/First Trimester of the 8th Grade Year
- CCTEC Admissions Examination in Math and Language Arts - administered in January

IS TRANSPORTATION PROVIDED?

The school district of residence is responsible for transportation to and from CCTEC.

For additional information, please email Kelly Redman at kredman@CCTECnj.org or call 856-451-9000 ext. 2201.



Cumberland County Technical Education Center
3400 College Drive, Vineland, NJ 08360