

Payne Tech



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(973) 412-2204

Newark Tech



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Newark, NJ 07103
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West Caldwell Tech



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Essex County Schools of Technology

Essex County Schools of Technology

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60 Nelson Place 1 North, Newark, NJ 07102

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www.essextech.org

PUTTING **ESSEX COUNTY** FIRST



INTRODUCTION

ABOUT THE ESSEX COUNTY SCHOOLS OF TECHNOLOGY

The Essex County Schools of Technology (ECST) district offers a rigorous academic and Career and Technical Education (CTE) educational experience. Our mission is to prepare students with the academic, technical, and professional skills needed to thrive in college and the workplace. Concomitantly, we provide students with the tools needed to link their passion to purpose.

The district offers a variety of educational programs that meet the needs and interests of all our students, including Honors, English Learners, and Special Education. Initiatives, such as the one-to-world technology and the Technology Enhanced Active Learning Center, afford our students a technology-driven, learner-centered, educational experience.

Through our dual enrollment program, students are able to earn college credits taking a variety of courses, some of which include: Sociology, Psychology, Internet Concepts, College Algebra, English Composition, Public Speaking, World Civilizations, Comparative Politics, Anatomy & Physiology, and many more. Additionally, our Early College High School (ECHS) initiative affords students an opportunity to earn an associate's degree during high school at no or low cost to their parents/guardians.

Advanced Placement courses are offered in the following areas: US Government, Language & Composition, Literature & Composition, Calculus AB, Spanish Language & Culture, US History, World History, Statistics, Biology, Music Theory, and Studio Art: 2D Design.

CAREER & TECHNICAL EDUCATION

The Essex County Schools of Technology is uniquely positioned to provide students with a rigorous and engaging Career and Technical Education curriculum. Upon acceptance into our district, students will pursue a 4-year major in a specific CTE cluster. Students have the opportunity to earn industry-valued credentials, free college credits from local colleges (Rutgers, NJIT, Seton Hall University & Essex County College), and participate in work-based learning opportunities. They learn from experts in their field and have access to the most state-of-the-art facilities and technology. As a CTE district, we link students with local employers and community leaders to build the professional skills and career pathways necessary for success. We pride ourselves on cultivating life-long success by motivating students to unleash their passion and purpose.

Our Career & Technical programs include: Advanced Manufacturing-Welding & Cabinetmaking, Cosmetology/Barbering, Emergency Management Technician, Certified Nursing Assistant, Medical Assisting, Engineering-Robotics, Automotive Technology, Business Organization & Management, Web/Game Design, Graphic Design & Commercial Arts, Construction Trades Technology, Carpentry, Electrical, Plumbing, Masonry, Digital Filmmaking & Television Production, Music Production Technology, Law & Public Safety, Fashion Design, Animal Science and Culinary Arts-Farm to Table.

These courses, coupled with structured learning experiences, afford our students a well-rounded educational experience that extends beyond the classroom walls to prepare them for college and careers. Our CTE programs allow students to earn industry-valued certifications, free college credits, and/or participation in pre-apprenticeship opportunities.



Essex County School of Technology (Newark Tech) ensures that students receive a high-quality education by providing rigorous instructional opportunities in academic and career-oriented programs of study.

Newark Tech was recognized as a *Blue-Ribbon High School* by the US Department of Education in 2015. It was also recognized as a *Title 1 Distinguished School* in 2013 and as a *High-Performance Reward School* from 2013-2016.

The Technology Enabled Active Learning (TEAL) Center prepares students to become active learners, creative problem solvers, and effective leaders by emphasizing the interconnections among science, technology, engineering, mathematics, and the humanities. Through collaborative partnerships and technology enhanced learning, this hybrid model of online and participatory learning integrates career and technical education with technology and core academics to promote entrepreneurship, as well as career and college readiness.

As part of the dual enrollment program, students have the opportunity to participate in the Early College High School (ECHS) initiative. The goal of the ECHS Initiative is to (1) allow students the opportunity to obtain an associate's degree along with a high school diploma within four years and (2) expose and acculturate students to college life and demands to ensure future success in a bachelor's degree program. According to the Alliance for Excellent Education, graduates of ECHSs are five to seven times more likely to complete postsecondary credentials within four years of high school graduation compared to graduates from traditional high schools.

These results were achieved through collaboration with our stakeholders and the implementation of innovative strategies, methods, and techniques by our faculty. Newark Tech offers a variety of sports, clubs, activities, as well as advance placement and honors courses to meet the diverse academic and social needs of our student body.

EXTRACURRICULAR ACTIVITIES

Clubs: Student Council, Debate, National Honor Society, Consumer Bowl, Technology Student Association, Yearbook, Robotics, Newsletter, Future Business Leaders of America, Book Club, Health Occupation Student Association (HOSA), Senior Class, Girls Who Code, Skills USA, Chess Club, Fashion, and Chess. Sports: Baseball, Basketball, Softball, Track, Cross Country, Soccer, Volleyball, Bowling, Cheerleading.

UNIVERSITY/ COLLEGE PARTNERSHIPS:

- Brookdale Community College
- Essex County College
- New Jersey Institute of Technology
- Rutgers University

CAREER & TECHNICAL EDUCATION PROGRAMS:

- Advanced Manufacturing: Welding
- Automotive Technology
- Business Organization & Management
- Certified Nursing Assistant (CNA)
- Emergency Medical Technician
- Medical Assistant
- Robotics/Engineering
- Emergency Medical Technician (EMT)



The Essex County West Caldwell School of Technology (West Caldwell Tech) is a career and technical high school located in the heart of West Caldwell that prepares students for college and careers.

West Caldwell Tech was recognized as a *National Blue Ribbon School* in 2012 and in 2016 was once again recognized by the US Department of Education as a *Green Ribbon School*. Its commitment to energy efficiency, healthy school environments, farm-to-school lunch, recycling program, and sustainable education was recognized and celebrated nationally through this distinction.

Students who apply to West Caldwell Tech can enroll in either the shared-time or full-time educational program. Students in the full-time program benefit from a comprehensive educational experience that includes academic electives, graduation requirement courses, Advanced Placement and Dual Enrollment courses. Students also select from a number of career and technical programs as part of their career exploration and specialization.

Work-related or internship-like experiences complement the career and technical educational programs of study, affording students the opportunity to apply their learning in authentic ways outside of the classroom. Through these experiences, students also practice the “soft skills,” or employability skills, necessary to be successful in the world of work, including, problem solving, communication, collaboration, and critical thinking.

EXTRACURRICULAR ACTIVITIES

Clubs: Dance/Step, Key Club, Technology Student Association, Drama, Student Council, Skills USA, Robotics, FFA, DECA, Yearbook, Senior Class. Sports: Baseball, Basketball, Softball, Track, Soccer, Volleyball, Bowling.

UNIVERSITY/ COLLEGE PARTNERSHIPS:

- Brookdale Community College
- County College of Morris
- Delaware Valley University
- Essex County College
- NJIT
- Rutgers University
- State University of NY-Cobleskill

CAREER & TECHNICAL EDUCATION PROGRAMS:

- Agricultural Science:
- Animal Science
- Automotive Technology
- Building Construction
- Trades Technology
- Business Organization & Management
- Cosmetology/Barbering
- Graphic Design
- Music Production
- Technology
- Robotics/Engineering



The new Essex County Donald M. Payne Sr. School of Technology (Payne Tech), which opened in September 2018, brings state-of-the-art career and technical education to the students of Essex County. It was through the vision of Essex County Executive Joseph N. DiVincenzo, Jr., which brought this new learning community into existence. The school bears the name of the late Congressman Donald M. Payne, Sr. who was the first African American to be elected to Congress from the State of New Jersey.

The educational program at Payne Tech affords the students the opportunity to learn about many different career pathways leading to post-secondary education or employment after graduation. The school provides a rigorous academic course of study which includes several Advanced Placement and College Level courses.

Payne Tech has partnered with a number of public and private entities to enrich the educational experience of both staff and students, including but not limited to: the Victoria Foundation, NJ Manufacturing Extension Program, Panasonic, Walmart, Port Authority of NY/NJ, NJPAC, and Papermill Playhouse. These collaborative partnerships have enriched the existing curriculum through added structured learning experiences, educational field trips, professional development opportunities, guest speaker presentations, advisory board participation, mentoring programs, stackable credentials, and job placement opportunities. This ensures that teaching and learning are maximized in and out of the classroom.

Students also have the opportunity to explore and participate in a variety of extracurricular activities, including sports, clubs, and career and technical organizations. These offerings complement the educational programs and further allow the students to develop communication, collaboration, critical thinking, and leadership skills.

EXTRACURRICULAR ACTIVITIES

Clubs: Multicultural, Mock Trial, Drama, Book Club, Future Business Leaders of America, Literary Magazine, Skills USA, Scholars, Choir, Yoga, Video, Bible, Gay, Lesbian & Straight Education Network (GLSEN), Step, Art, Student Council, Yearbook, Robotics, Model UN, Something Unique, Girls Who Code, Anime, Dance. Sports: Baseball, Basketball, Softball, Track, Soccer, Volleyball, Bowling

UNIVERSITY/ COLLEGE PARTNERSHIPS:

- Brookdale Community College
- Essex County College
- New Jersey Institute of Technology
- Seton Hall University

CAREER & TECHNICAL EDUCATION PROGRAMS:

- Business Organization and Management
- Carpentry Technology
- Commercial and Graphic Arts
- Cosmetology/Barbering
- Culinary Arts/Bakery
- Digital Filmmaking/Television Production
- Electrical Technology
- Fashion Design
- Game/Web Design
- Law and Public Safety Academy
- Masonry Technology
- Music Production Technology
- Plumbing Technology
- Robotics/Engineering

ADULT EDUCATION

The Adult Education program provides students with a variety of courses and technical programs that lead to industry credentials and better job opportunities. In addition to the ESL and GED programs, students can select from a variety of career and technical programs to enhance their knowledge and skills in key industries. The ECST Adult Education Program sees the priority of employment training as the most effective means of assisting our students in all areas of their lives.



CAREER & TECHNICAL EDUCATION PROGRAMS:

- Adult Basic Education (ABE, PRE-HSE)
- Auto Repair
- Basic Electricity
- Black Seal Licensure
- Business Essentials
- Carpentry
- Computer/Microsoft Office
- Cosmetology
- Culinary Arts
- English as a Second Language (ESL)
- First Aid/CPR Certification
- High School Equivalency Preparation (HSE) Formerly GED
- OSHA Training (Certification)
- Plumbing Apprenticeship Program
- Skilled Trades Preparatory Programs
- SORA
- SORA Security License Renewal
- Web Design
- Welding



Essex County Schools of Technology



Joseph N. DiVincenzo, Jr.,
Essex County Executive
And The Board of County Commissioners

“Our Schools of Technology offer our students a dynamic, first-class education that will provide them with the foundation for a successful future.” Joseph N. DiVincenzo, Jr., County Executive

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