

**CTE COURSES**

***DISCOVER  
WILSON  
TECH***

**#COLLEGEREADY #CAREERREADY #SUCCESSREADY**

# WILSON TECH

# **COURSES**

## **CONSTRUCTION CAREERS:**

Architectural & Interior Design/CAD  
Carpentry  
Construction Electricity  
Construction Skills\*  
HVAC/Plumbing  
Welding

## **GRAPHICS & MEDIA CAREERS:**

Advertising/Graphic Design  
Audio Production  
Digital Film & Video Production  
Fashion Design Technology  
Graphic Art Skills\*  
Photography & Digital Imaging

## **HEALTH CAREERS:**

Health Care/Medical Assisting Skills\*  
Medical Assisting  
Medical Laboratory  
Nurse Assisting  
Physical Therapy Aide  
Veterinary Medical Assisting

## **SERVICE CAREERS:**

Business & Hospitality Management  
Certified Personal Trainer  
Cosmetology  
Criminal Justice  
Culinary Arts  
Culinary Skills\*  
Early Childhood Education  
Esthetics  
Small Animal Care Skills\*

## **TECHNICAL CAREERS:**

Business & Customer Relations Skills\*  
Computer Game Design  
Electronics/Robotics/Computer Repair  
Electronic/Robotic Skills\*

## **TRANSPORTATION CAREERS:**

Aircraft/Drone Technology  
Auto Body Repair  
Automotive Technology  
Auto Technology Skills\*  
Aviation Science/Flight

### **\* Skill Program**

*CTE Skill Programs, offered at our Huntington Campus, are designed for students who learn best in smaller settings and prefer a more moderate pace. Speak with your counselor to find out if you are eligible to enroll in one of these classes.*

# **WILSONTECH.ORG**

# ***YOU CAN DO IT ALL.***

**YOU CAN WORK TOWARD A REGENTS DIPLOMA.  
AND GET READY FOR COLLEGE.  
AND PREPARE FOR A CAREER.  
AND HAVE FUN ALONG THE WAY.  
YOU CAN DO IT ALL — AT WILSON TECH.**

## **YOUR PROMISING CAREER STARTS HERE.**

Prospective employers want to hire people who not only know what to do, but who can actually do what needs to be done. Tech's programs are taught in settings that mirror actual workplaces and Tech students are expected to conduct themselves as professionals. Our instructors bring real-world experience and connections to industry leaders to ensure that our classrooms reflect current trends.

## **SUCCESS WITH TECH IS ACADEMIC.**

Tech offers half-day programs, allowing students to complete the majority of their academic courses in their home high school before or after attending their Tech sessions. To help you meet graduation requirements, Tech offers credit-earning courses in English, Social Studies, Math, Science, Language, Health, Physical Education, and Art during regularly scheduled Tech time or through pull-out instruction.

As part of our commitment to our students' academic success, Tech also offers prep and review support for state assessment exams. You can talk with your home high school counselor about the classes you require.

# **4** **CAMPUSES**

**DIX HILLS, HUNTINGTON,  
NORTHPORT AND  
REPUBLIC AIRPORT**

### **NOTE:**

*Tech classes are approved by the New York State Education Department. Coursework, credits, hours and work-based learning apply toward the requirements of all diploma types and the Career Development and Occupational Studies (CDOS) Commencement Credential. Additionally, the foreign language requirement may be substituted for students who successfully complete an extended sequence in Career & Technical Education (CTE) for the Regents Diploma with Advanced Designation. If eligible, the district CSE may waive the foreign language requirement.*

# ***YOU CAN TAKE THE LEAD.***



National **Technical**  
**Honor** Society

If you ask Tech graduates what they remember most, you'll likely hear about SkillsUSA and Future Farmers of America (FFA). These clubs sponsor competitions specific to fields of study that begin on a local level with winners advancing to regional, state and national contests.

Committed to recognizing excellence, Tech acknowledges those students whose academic, attendance and disciplinary records meet the criteria of the Renaissance Program and **National Technical Honor Society** in approved programs. Every June, scholarship and award recipients are recognized at a special ceremony.

## **CERTIFIABLE SUCCESS IS PART OF THE PROGRAM.**

At Tech, we don't expect colleges and employers to take our word for our students' skills and knowledge. Students who successfully complete attendance and academic requirements earn a Certificate of Completion from Wilson Tech, as well as NYS licenses and certificates from selected programs. Tech conducts a Recognition Ceremony at which certificates are presented to students who have successfully completed Tech programs. In addition, those who successfully complete a two-year Tech sequence in approved programs are eligible to sit for nationally recognized exams leading to certifications in their fields. Those who pass national exams will earn the prestigious Career & Technical Education endorsement seals on their high school diplomas.

## **EARN AS YOU LEARN.**

For motivated and qualifying students, Tech offers opportunities to acquire on-the-job experience. Our students earn high school credits and a salary through:

- ◆ Cooperative (Co-op) Education Program combines work-related classes with paid and unpaid work experience and is offered at participating school districts.
- ◆ Work/Study Internships allow students to acquire academic credits and they may earn a salary while they receive on-the-job training.

Current students and graduates are encouraged to consult the Job Placement Office at Tech for assistance in job search strategies. Each week Tech updates its Job Bank.



# ***ENJOY ADVANCED STANDING***

Thanks to the strength of our programs, Tech has Articulation Agreements with many colleges that offer credits or waive introductory courses for students who successfully complete specific Wilson Tech programs.

Some of the colleges that have offered such standing to Tech grads include:

- ◆ Culinary Institute of America
- ◆ Five Towns College
- ◆ Herkimer Community College
- ◆ Island Drafting & Tech Institute
- ◆ Kingsborough Community College
- ◆ Lincoln Technical Institute
- ◆ Long Island University CW Post
- ◆ Monroe College
- ◆ Nassau Community College
- ◆ New York Institute of Technology
- ◆ Ohio Technical College
- ◆ New England Culinary Institute
- ◆ New England Institute of Technology
- ◆ NYADI - The College of Transportation Technology
- ◆ St. Joseph's College
- ◆ Suffolk County Community College
- ◆ SUNY Alfred
- ◆ SUNY Canton
- ◆ SUNY Cobleskill
- ◆ SUNY Delhi
- ◆ SUNY Farmingdale
- ◆ SUNY Morrisville
- ◆ Universal Technical Institute
- ◆ Vaughn College of Aeronautics
- ◆ Johnson & Wales University

**\$100,000+**  
IN SCHOLARSHIPS  
OFFERED TO  
**2022** Tech  
grads

**NOTE:**

*Because articulation agreements are subject to change, the best way to know what college will accept credit is to speak with the Tech counselor for your program. Dual enrollment is available for eligible students in select programs.*



ACADEMIC  
COURSES

OFFERED  
AT TECH  
TO HELP

STUDENTS MEET  
GRADUATION  
REQUIREMENTS

# *TECH HELPS YOU GET THERE.*

We're proud that nearly 70 percent of Tech graduates continue their education at colleges or technical schools. We've designed our Career Pathways program to help students strengthen their applications at no additional charge, except for book fees:

- ◆ **SAT Prep** – Get the preparation you need to raise your college test scores.
- ◆ **College Credits** – You can earn college credits by successfully completing classes through local colleges.

We will work with your home school counselor to ensure that you receive the support you need and the support you want.

## **Innovative Alternatives That Work.**

At Tech, we recognize that different students learn differently. Tech's Center for Alternative Education (CAE) offers a variety of programs that prepare students to meet academic and career goals:

- ◆ **The GED®** program prepares students for the high school equivalency examination (English or Spanish).
- ◆ **High School Diploma** – Take an academic curriculum at the Alternative High School and receive a high school diploma issued with the student's high school's name.
- ◆ **Online High School** – Provides students in the Western Suffolk region with opportunities to earn academic credits for graduation.
- ◆ **Supportive services** – These include an off-site licensed child care center available for pregnant and parenting teens.

# CAREER & TECH EDUCATION

## **CAREER PROGRAMS**

### **Construction Careers**

#### **ARCHITECTURAL AND INTERIOR DESIGN /CAD**

Use traditional drawing tools and drafting instruments as well as sophisticated computer programs to design and prepare architectural renderings, models and site plans. Translate ideas into specific plans that a builder could use. Great training for future engineers, architects and draftspersons.

#### **CARPENTRY**

Build a structure from the frame and roof to the cabinets and counters. Work from plans and specifications to build new buildings and remodel existing ones. Tech's curriculum provides instruction on the installation of solar panels and wind turbines.

#### **CONSTRUCTION ELECTRICITY**

You'll be at the control switch in this trade. Wire outlets, receptacles, switches, and appliances for homeowners. Install and wire recessed and fluorescent lighting, large service panels and motor control circuits for businesses and industry. Install solar panels on Tech's cottages and see how Tech's wind turbine can contribute power to homes and businesses.

#### **CONSTRUCTION SKILLS\***

In the Construction Skills program, students will be introduced to various skills in carpentry, electrical, plumbing and building maintenance.

#### **HEATING/VENTILATION/AC/ PLUMBING**

Repair the air conditioning, heating and ventilation systems found in homes and businesses. Review plumbing basics, including installing piping for kitchens and bathrooms.

#### **WELDING**

Discover the composition of metals as you practice how to join and cut different metals. Work from blueprints as you build metal structures and fabricate repairs using numerous welding processes.

### **Graphics & Media Careers**

#### **ADVERTISING/GRAPHIC DESIGN**

Explore concepts in print and digital media including illustration, lettering, layout design, logos, and advertising animation that you can display in your professional portfolio. You will have the opportunity to develop graphic design and advertising skills that will help you pursue additional training.

#### **AUDIO PRODUCTION**

If you love music, you will have the opportunity to create or mix your own professional sounds. Practice using a sound board and mix music as you are introduced to the legal issues in broadcasting. You'll operate the latest digital audio options on the most up-to-date equipment.

#### **DIGITAL FILM & VIDEO PRODUCTION**

Fascinated by the glamour of the broadcast world? Experience what it's like to be behind and in front of the lights and video cameras. Prepare and edit scripts. Operate and repair transmission equipment, cameras, recorders and lights.

#### **FASHION DESIGN TECHNOLOGY**

If fashion is your thing, come translate your ideas of style into wearable clothing and find out what retailing is all about. Explore the theory of design and how to create patterns and make clothes.



## GRAPHIC ART SKILLS\*

Explore the fields of commercial art and graphic design. Students will have the opportunity to create and design projects using graphic art software.

## PHOTOGRAPHY AND DIGITAL IMAGING

Get behind the lens and experience what it takes to create dramatic photographs that convey an idea. Get studio and on-location experience. Take your film into the darkroom and make your idea come alive in a print. See how computers can create new images from your own photographs.



## Health Careers

### HEALTH CARE / MEDICAL ASSISTING SKILLS\*

Learn about health-related topics and practice a variety of health care skills; emphasis will be placed upon Patient Care Skills. Instruction will include electronic health records and medical office management.

#### MEDICAL ASSISTING

Get the opportunity to become an important member of the health care team and to prepare for work in physician offices and clinics. Emphasis on front desk reception, office skills, and assisting with examinations and treatment.

#### MEDICAL LABORATORY

You'll be trained to conduct many of the medical tests doctors require to diagnose illnesses. Use highly technical equipment to answer medical questions.



### NURSE ASSISTING

Care for patients and become eligible to be a Certified Nurse Assistant (CNA). Work in the field or continue your education as a practical nurse, registered nurse or even as a physician. In fact, those who successfully pass Nurse Assisting can continue in the second year in Tech's Professional Health Careers program (offered only to second-year students). If eligible, you can take the national certification exam for Patient Care Technician.

### PHYSICAL THERAPY AIDE

Physical Therapy Aides assist physical therapists and physical therapy assistants to set up and maintain treatment areas, organize equipment and assist patients to prepare for treatment in recovering from injuries and improving mobility.

### VETERINARY MEDICAL ASSISTING

Students will have many opportunities to handle and care for animals as they study pet shop operation and management, veterinary assisting, and laboratory procedures for animals. You'll study anatomy as you care for the animals that live in your classroom!

## Service Careers

### BUSINESS AND HOSPITALITY MANAGEMENT

Business and Hospitality Management emphasizes entrepreneurship, legal and ethical business concepts, marketing, technological applications, human resources, purchasing, accounting and cost control. The practical application of customer services and communication skills will lead students toward gaining the knowledge and confidence to own, operate or manage a successful business.





# 200

INDUSTRY  
PROFESSIONALS

SERVE ON TECH ADVISORY  
COMMITTEES, OFFERING THEIR

*expertise*

TO THE DEVELOPMENT  
OF OUR PROGRAMS

## CERTIFIED PERSONAL TRAINER

Develop knowledge in anatomy, physiology, weight and strength training. Go into business for yourself, work in health clubs or rehab centers or find employment with sports teams.

## COSMETOLOGY

This program offers opportunities for you to learn about hair styling, coloring, perms and relaxants as well as make-up, manicures and facials. Practice your talents on mannequins and other students. As a second year student, participate in a Wilson Tech clinic. Earn hours toward your cosmetology license.

## CRIMINAL JUSTICE

If you've thought about a career in law enforcement, this program will introduce you to many of the skills and laws police and security officers need to know. Appropriate investigative functions and techniques, patrol functions, forensics, security systems and emergency responses required for public/private security are explored.

## CULINARY ARTS

Put some steam into your plans for the future. Prepare and serve food as it's done in the finest restaurants. Whether you dream of your own deli, gourmet restaurant or bistro, or you want a foundation to become a fine chef, this program will help prepare you for the excitement of commercial food preparation.

## CULINARY SKILLS\*

Experience working in our industrial kitchen following standard recipes for soups/salads, main courses, side dishes and desserts.

## EARLY CHILDHOOD EDUCATION

This program will prepare you for entry-level employment in early childhood programs. Study child development as you get hands-on experience working with preschoolers in the on-site preschool learning lab. The following year eligible students will attend off-site internships.

## ESTHETICS

Esthetics is an appearance enhancement speciality in the field of skincare and make-up which requires a separate NYS license in Esthetics. This course introduces and develops the skills and knowledge required in order to successfully prepare for the NYS State Board of Esthetics licensing examination.

## SMALL ANIMAL CARE SKILLS\*

Explore entry-level careers in the pet and companion animal industries. Students will be working with a variety of small animals in the learning lab classroom.



## Technical Careers

### BUSINESS & CUSTOMER RELATIONS SKILLS\*

Students will have the opportunity to learn the basics of Microsoft Office Suite, basic money management and work to provide the school with a service or product.

### COMPUTER GAME DESIGN

Students will have the opportunity to build video games using industry standard software and standard business applications. Students will discover their strengths within the gaming, creative arts and programming industry.

### ELECTRONICS/ROBOTICS/COMPUTER REPAIR

Do you like tinkering with electronic gadgets? Come study the basic theory of electronics and how to apply the theory as you analyze and then construct circuits. After the course introduction to robotic concepts, students will build robotic devices. Students who meet the academic and attendance criteria in Electronics/Robotics/Computer Repair may enroll in Computer Networking (offered only to second-year students).

### ELECTRONIC/ROBOTIC SKILLS\*

Work with computer circuits found in burglar alarms, talking clocks and motion sensors. Robotic concepts and kit fabrication will be introduced.

## Transportation Careers

### AIRCRAFT/DRONE TECHNOLOGY

Thrilled by the sounds of engines flying overhead? This program will teach you to service, repair and overhaul both reciprocating and turbine engines in our classrooms at Republic Airport. You'll find out how these giant engines are also used in powerplants throughout the country as you work toward an FAA Powerplant license—the ticket you need to get a job! This course also provides training in the fast growing, global market of the commercial drone industry. You'll receive instruction in STEM supported curriculum and applied aeronautical sciences which can lead to UAV/Drone Pilot certification from the Federal Aviation Administration.

### AUTO BODY REPAIR

If you've dreamed of starting your own business restoring damaged vehicles or customizing cars and trucks, come to Tech where you'll have the opportunity to develop skills to use auto body plastics, specialized tools, and spray painting. Develop your mechanical ability, business skills and individual technique that will get you ahead in business.

### AUTOMOTIVE TECHNOLOGY

Are you always thinking and talking about cars? Make repairs to engines, transmissions, chassis and suspension systems of various automobiles. Take the guesswork out of auto repairs and use sophisticated electronic and hydraulic test equipment to pinpoint that engine knock or whine.

### AUTO TECHNOLOGY SKILLS\*

Auto Technology Skills provides students with the opportunity to learn the workings of the automobile. Students will be trained in the maintenance, troubleshooting and repair of various automotive systems.

### AVIATION SCIENCE/FLIGHT

Is your future up in the air? Find out what it takes to become a pilot. With the help of computers, you'll receive both ground and flight instruction as you prepare yourself to pass the Federal Aviation Agency (FAA) exam! Actual flying time is logged in.



***wilsontech.org***

# THE SKY'S THE LIMIT

Talk to your home school counselor about a group visit with other students from your high school, or an individualized tour with your parents. Your home school counselor will help with the arrangements.



# IT'S TIME TO APPLY

Talk with your high school counselor about submitting your application to Tech.

***We can't wait to hear from you!***

# *Questions about Tech?*

WILSONTECH.ORG

SEE YOUR SCHOOL COUNSELOR

CALL TECH AT 631-425-9050

*Sign up for a visit!*



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