



York County School of Technology
2179 S Queen St, York, PA 17403
717-741-0820
ytech.edu

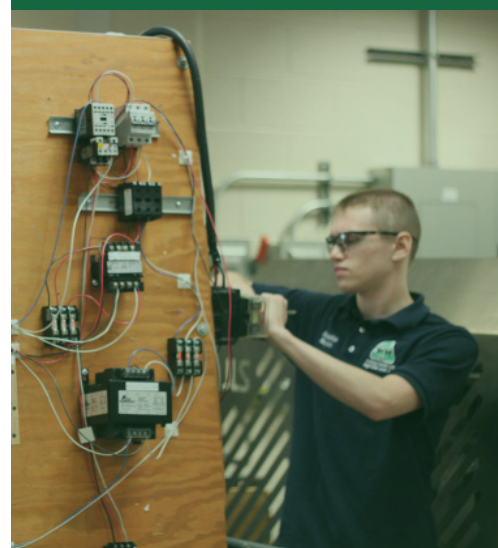
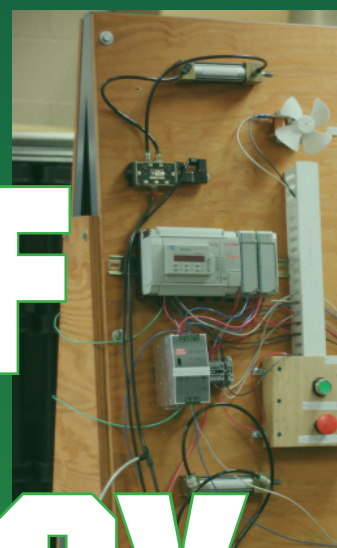
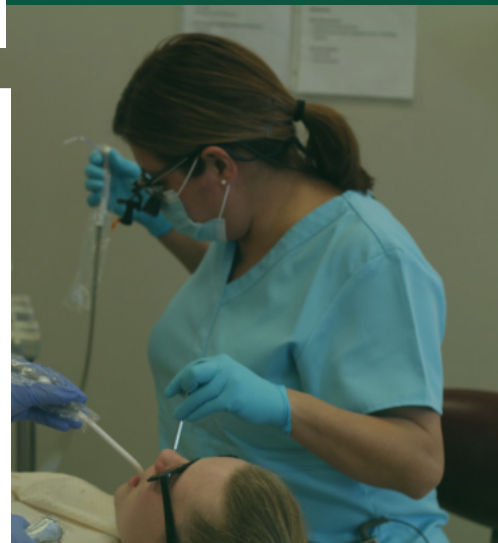


Providing over 50 years
of excellent technical education
to York County.



Technical Program Brochure

YORK COUNTY SCHOOL OF TECHNOLOGY



2179 S. Queen Street
York, PA 17402
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Health Sciences



MEDICAL PROFESSIONS PROGRAM

Learn technical skills pertaining to rehabilitation and restorative care, clinical skills, legal and ethical issues, and first aid. Students also study basic anatomy and how diseases affect the body. After completion of core courses, students select from one of four areas of certification: Certified Medical Administrative Assistant (CMAA), Certified EKG Technician (CET), Pharmacy Technician (CPhT) or Emergency Preparedness Certification.

CAREERS AT A GLANCE

Pharmacy Aide, Dietary Aide, Veterinary Assistant, Patient Care Assistant
Registered Radiology Technician, Surgical Technician, MRI Technician, Paramedic Health Care Administrator, Nurse,
Forensic Pathologist, Biomedical Engineer



SPORTS TECHNOLOGY & EXERCISE SCIENCE

In the physically active and energetic Sports Technology program, students see themselves as future personal trainers, athletic trainers, or physical therapists. They learn the fundamentals of athletic healthcare, basic anatomy, and physiology. Students acquire an understanding of charting vital signs and how to treat athletic injuries.

CAREERS AT A GLANCE

Physical Therapy Aide, Home Health Aide, Certified Personal Trainer,
Occupational Therapy Aide, Massage Therapist, Radiology Technician, Paramedic/EMT



DENTAL ASSISTING

In the challenging Dental Assisting program, students perform procedures as if they are working alongside a dentist. They take impressions, create casts, and hand instruments. Students are also trained on how to take and care for x-rays to prepare them for their Dental Radiography certification.

CAREERS AT A GLANCE

Dental Hygiene Assistant, Patient Care Coordinator, Orthodontic Dental Assistant,
Public Health Dental Assistant, Certified Dental Assistant,
Dental Hygienist



Information Technology and Cyber Security

All new students will rotate in each of the four technical areas within this pathway to complete the IT Academy. This academy prepares students to take the IT Fundamentals certification exam and explore all career options to make an informed decision regarding their 11th and 12th grade year.



COMPUTER PROGRAMMING & INTERACTIVE MEDIA

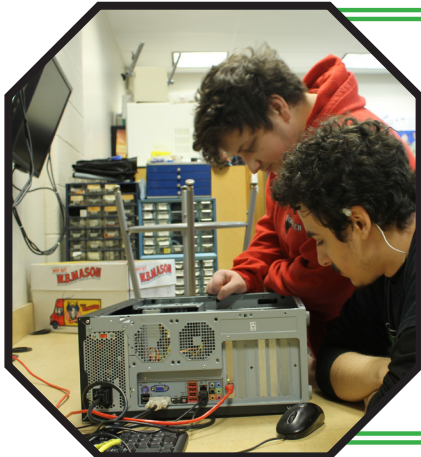
Strong creativity skills and a love for science are essential for success in this technical program.

Students will design web pages and computer programs for everyday use.

They will also develop applications that can perform basic operations. Be a part of one of the fastest-growing fields in the country!

CAREERS AT A GLANCE

Computer Operator, Desktop Publisher, Bioinformatics Technician, Computer User Support Specialist, Software Application Developer, Database Administrator, Software Tester, Video Game Designer, Information Security Analyst, Networking Specialist, Web Administrator, Computer Systems Engineer



ELECTRONICS & IT SUPPORT

Learning how to properly maintain computers so they operate efficiently and virus-free is essential to our lives today. In the Electronics/IT Support program, students learn about the internal parts of a computer, how those parts work together, and how to troubleshoot a faulty computer system.

They also perform repairs and updates to hardware, software, and other IT-related devices.

CAREERS AT A GLANCE

Help Desk Technician, Computer Hardware Technician, Computer Installer, Robotics Technician, Computer/IT Manager, A/V Technician, Communication Technician, Computer Systems Engineer, Bio-Medical Technician, Software Engineer, IT Project Manager



INFORMATION SYSTEMS MANAGEMENT

Students will focus on Networking and Virtualization learning skills that will assist them in attaining their CompTIA Network+ certification. Students will also learn skills in Virtualization and Cloud technologies giving them additional skills that will assist them in earning their CompTIA Cloud+ and Server+ certifications.

CAREERS AT A GLANCE

Computer Service Representative, Network Administrator Assistant, Desktop Support, Network Administrator, Web Services and Designer, Computer Systems Analyst, Network Engineer, Systems Engineer, Software Developer



NETWORK SYSTEMS & CYBER SECURITY

Students will focus on Cybersecurity learning advanced skills within the Cybersecurity industry. These skills will provide students the opportunity to earn their CompTIA Security+ certification along with other skills that will provide them the opportunity to earn other industry certifications within the Information Technology and Cybersecurity fields.

CAREERS AT A GLANCE

IT Generalist, Cyber Security Specialist, Digital Forensics Specialist, Internetworking Analyst, Intrusion Analyst, Network Administrator, Cloud Architect, Information Security Analyst, Networking Specialist, Web Administrator



ARTS & HUMAN SERVICES



COMMERCIAL & ADVERTISING ARTS

Our Commercial and Advertising Arts program emphasizes your creative growth through instruction in art principles, technology skills, and computer-based projects. Sharpen your design skills using industry-standard equipment & software to develop everything from logos to marketing campaigns. You will create a portfolio each year to showcase your talents and skills, such as drawing and illustration techniques, digital photography, photo editing, color theory, typography, layout, and the design process.

CAREERS AT A GLANCE

Photography Assistant, Web Designer, Social Media Manager, Screen Printer
Photojournalist, Graphic Artist, Social Media Specialist



COMMUNICATION TECHNOLOGY

In our Communications Technology program, students study audio and video media, graphic design, photography, and HTML/CSS coding. They have the opportunity to design and print publications, write, shoot, and edit videos, and design graphics and web pages using the latest publishing and design software.

CAREERS AT A GLANCE

Production Assistant, Camera Operator, Assistant Editor Video/Film Editor,
Marketing Brand Manager, Radio Announcer, Videographer Producer,
Web Designer, Marketing Director, Account Executive



CRIMINAL JUSTICE

Join a career field that plays an important part in the protection and enhancement of the community! Personal responsibility, integrity, and self-discipline are needed to be successful in this field. Students participate in weekly physical training, perform first aid, and practice responding to emergency situations.

CAREERS AT A GLANCE

Private Security, Animal Control, Military, TSA Agent ,
Police Officer, Detective, S.W.A.T. Officer, Computer Forensic,
Federal Agent, Judge, Air Marshal, Criminologist



CULINARY ARTS

Hone your culinary skills and expand your knowledge every day as a student in the fast-paced Culinary Arts program. From cooking for our student-run Spartan Inn restaurant to providing food for large groups, students gain valuable experiences preparing them for a large, ever-changing food industry.

CAREERS AT A GLANCE

Baker, Cake Decorator, Line Cook, Dietary Assistant, Catering Specialist,
Nutritionist, Recipe Developer, Bakery Manager, Chef de Cuisine, Culinary Consultant,
Executive Chef, Food Stylist



ARTS & HUMAN SERVICES



EARLY CHILDHOOD EDUCATION

Students in the Early Childhood program are creative, energetic, and enjoy working with children. They learn about the developmental stages of young children, proper classroom management strategies, and how to create lesson plans. Graduates leave high school with real-world experience from working at local elementary schools and childcare centers within the community.

CAREERS AT A GLANCE

Personal Care Assistant, Behavior Support Assistant, Parent Educator, Recreation Department Director, Child Care Director, Occupational Therapist



LICENSED COSMETOLOGY

Perform various skin treatments, manicures/pedicures, and massage techniques. Design beautiful hairstyles with the use of professional tools, hair color, and chemical texturing solutions. Students also learn proper good hygiene procedures, how to handle chemical material, and the fundamentals of customer service etiquette and business ownership.

CAREERS AT A GLANCE

Stylist Assistant, Hair Removal Specialist, Makeup Artist
Electrologist, Massage Therapist, Supply Manager, Master Stylist, Cosmetic Buyer,
Beauty Magazine Writer, Dermatologist





Construction Technology

All new students will rotate in each of the five technical areas within this pathway. The intent of this program is to aid students and teachers in choosing appropriate technical program placements that will lead to informed career decisions.



ARCHITECTURE & CONSTRUCTION MANAGEMENT

Architecture and Construction Management is the program for the innovative and analytical student. Students design, draw, sketch, and build residential and commercial models. They develop plans for homes, businesses, mechanical devices, and structures using CADD and Revit Design software. Students then have the opportunity to assemble accurate estimates and construction project schedules.

CAREERS AT A GLANCE

Electrical Drafter, Civil Drafter, Entry Level Estimator, Military Engineer, Project Manager, Interior Designer, Architectural Illustrator, Construction Technologist, Architect, Structural Engineer, Architectural Preservationist, Code Enforcement Officer



CARPENTRY & CONSTRUCTION

This construction pathway will enhance your potential to obtain an outstanding position in a variety of different construction fields. C&CT will prepare you for positions in carpentry, building inspection, masonry, and heavy equipment opportunities. Students will have the opportunity to be involved in the designing, building, and remodeling of various commercial and residential projects.

CAREERS AT A GLANCE

Roofer, Concrete Form Carpenter, Heavy Machine Operator, Trim Carpenter, Carpenter, Foreman, Crew Leader, Civil Engineering Technician, Lead Building Inspector



ELECTRICAL OCCUPATIONS

Students study the theory of electricity and how to design and terminate electro-mechanical control systems in the Electrical Occupations program. They learn how to safely install electrical systems in residential, commercial, and industrial buildings and how to read and implement blueprints. Students also participate in a PA registered pre-apprenticeship program offered by the York Electrical Institute.

CAREERS AT A GLANCE

Construction Helper, Apprentice Security System Technician, Registered Electrical Apprentice, Assistant Project Manager, Foreman, IBEW Electrician, Electrical Engineer, Power Plant Technician



Construction Technology



HEATING, VENTILATION, & AIR CONDITIONING/PLUMBING

Students learn to identify and safely use power and hand tools to complete projects. As they progress, students complete more challenging installation jobs. Instruction is focused on electricity, electrical components and controls, and technical aspects such as proper installation, setup, and service. Develop the skills and knowledge needed to troubleshoot, service residential and commercial systems.

CAREERS AT A GLANCE

Electrician, Duct Fabricator, HVAC Technician, Installation Technician, Air Conditioning Technician, Geothermal Service Technician, Project Superintendent, Test & Balance Technician, Building Automation Technician, Mechanical Consultant,



LANDSCAPING & AGRICULTURE

The landscaping industry requires hardworking, service-oriented workers who do not mind working outside. Our landscaping and agriculture program covers training in greenhouse management, agriculture, turf maintenance, plant identification, nursery production, landscaping, and construction.

CAREERS AT A GLANCE

Landscaping Crew Member, Garden Center Worker, Florist/Floral Designer, Orchard/ Vegetable Farmer, Greenhouse/Nursery Owner, Pesticide Technician, Horticultural Therapist, Landscape Designer





Transportation & Engine Technology



AUTOMOTIVE TECHNOLOGY

Enter the dynamic field of Automotive Technology where students are offered a wide-variety of opportunities. In this ASE Certified program, students can earn up to 15 different certifications. They learn to perform basic mechanical repairs, run computer diagnostics, service brakes & suspensions, align steering systems and repair engines.

CAREERS AT A GLANCE

Automotive Mechanic, Car Salesman, Automotive Detailer, Emergency Roadside Mechanic
HVAC Technician, Transmission Specialist, Automotive Technician, Safety and Emission Inspector
Automotive Engineer, Automotive Designer, Technical Consultant, Product Development Manager

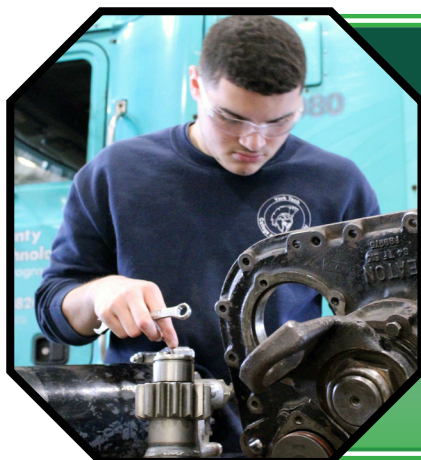


COLLISION REPAIR TECHNOLOGY

This high-tech, fast-paced program is designed to train people interested in learning how to repair damaged vehicles. As an I-Car curriculum aligned course, students can earn more than 20 certifications. They learn to remove and replace fenders, doors, hoods and many other vehicle parts. They also learn the latest plastic and steel welding techniques in the collision repair industry.

CAREERS AT A GLANCE

Small Dent Repair, Masker, Frame Preparation Technician, Air Brush Artist, Frame Technician,
Claims Adjuster, Body Shop Appraiser/Estimator, Vehicle Designer, Mechanical Engineer, Electronics Engineer,
Automotive Coatings Engineer

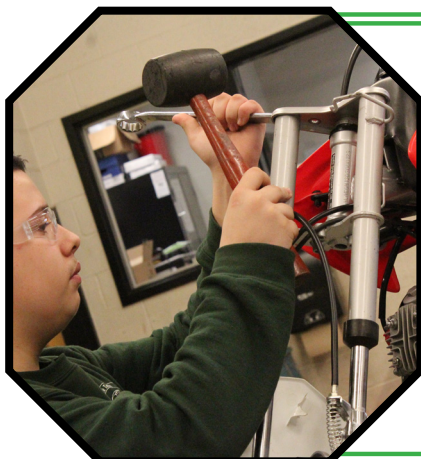


DIESEL TECHNOLOGY

The automotive industry offers a variety of roles where professionals get to work with a diverse range of people. This broad-based program covers basic diesel engine fundamentals, full truck alignment, electrical engines, precision measuring, engine overhaul, air brake systems, and PA State inspector procedures.

CAREERS AT A GLANCE

Brake Technician, Diesel Locomotive Technician, Auto Diesel Maintenance, Service Writer, Shop Floor Foreman,
Roach Mechanic, Shop Safety Coordinator, Warranty Claim Coordinator, Field Technician, Shop Supervisor



POWERSPORTS & ENGINE TECHNOLOGY

Designed for people interested in the maintenance and repair of small engines and equipment, students diagnose technical issues with motorcycles, outboard motors, lawn equipment, and other small engines. Students have the opportunity to run electrical and mechanical diagnostics, replace brake pads, bleed hydraulic fluid, diagnose fuel delivery systems, and rebuild master cylinders.

CAREERS AT A GLANCE

Motorcycle Entry Level Technician, Assembly Technician, Tire and Wheel Technical, Motorcycle Detailer,
Certified Motorcycle Technician, Service Manager, Automotive Technician, Aircraft Technician, Motorcycle Designer,
OPE Dealership Owner, Motorcycle Engineer, Mechanical Engineer



Engineering &

High-Performance Manufacturing



ENGINEERING & ADVANCED MANUFACTURING

Engineers create innovative solutions to everyday challenges. Students in this program use 3D design software to create scale models, build prototypes, and program robotic sorters. They operate CNC machines and robots to manufacture the products they design.

CAREERS AT A GLANCE

Quality Control Inspector, Machine Operator, Material Handler
Industrial Ecologist, PLC Programmer, CNC Machinist, Supply Chain Manager
Robotics Engineer, Green Energy Systems Engineer, Nuclear Engineer, Aerospace Engineer

All new students, who select one of the below technical areas, will rotate through Precision Machining Technology and Welding & Metal Fabrication Technology. The intent of this program is to aid students and teachers in choosing appropriate technical program placements that will lead to informed career decisions.



PRECISION MACHINING TECHNOLOGY

Manufacturing jobs are integral in the production of goods for a variety of industries. Students get to program Computer Numerical Control (CNC) machines, set up and operate CNC lathes and mills to machine parts to a blueprint. They also get to create metal parts by using manual machines such as a lathe, vertical mill, drill press, and surface grinder. They learn to read precision instruments, measure accurately, and create a 3-D machined item. Upon graduation, students choose to go directly into the workforce, enter into an apprenticeship, or continue their education in the field.

CAREERS AT A GLANCE

CNC Operator, Machinist, Manual Machine Tool Operator, Assembly Technician,
Tool or Die Maker, Automotive Machinist, CNC Programmer, Maintenance Millwright, Manufacturing Engineer, Design Engineer, CAM Software Designer, CNC Machine Expediter



WELDING & METAL FABRICATION TECHNOLOGY

In our Welding & Metal Fabrication Technology program, students have the opportunity to learn the basics of Shield Metal Arc Welding, Gas Metal Arc Welding, and Gas Tungsten Arc Welding. They have the opportunity to use state of the art equipment, such as a computer-aided plasma cutter. Students create unexpectedly artistic pieces by exploring new technologies and welding techniques.

CAREERS AT A GLANCE

Apprentice Iron Worker, Fabricator, Metal Finisher, Millwright, Sheet Metal Worker,
Blueprint Design Reader, Boilermaker, Certified Nuclear Welder, Certified Oil Pipeline Welder



EXTRA CURRICULAR ACTIVITIES



ACADEMICS

Below you will find each academic department.

English, Reading, and ELL
Mathematics
Physical Education and Health
Related Studies
Science
Social Studies
Special Education
International Baccalaureate (IB)

EXTRA CURRICULAR ACTIVITIES

York Tech offers a variety of activities including:

National Honor Society	National Technical Honor Society	Student Council
Spirit & Harmony	Theatre & Musical Productions	The HUB
Environmental Club	EmpowHERment	Spartan Inclusive Leadership
The Tech Times, Student Newspaper	Band	Skills USA

Students also have the opportunity to join organizations that are related to their technical areas, such as:

American Welding Society	National Association of Home Builders	Future Farmers of America
Technology Student Association	Cyber Patriot	Hot Rodders of Tomorrow
Family Career and Community Leaders of America		

ATHLETICS

York County School of Technology believes the participation in high school athletics offers opportunities to learn, promote, and reinforce the qualities that influence students to become productive citizens.

The following sports are available:

FALL SPORTS

Cheerleading
Cross Country
Field Hockey, Girls
Football
Golf
Soccer, Boys
Soccer, Girls
Tennis, Girls
Volleyball, Girls

WINTER SPORTS

Basketball, Boys
Basketball, Girls
Bowling
Cheerleading
Indoor Track
Wrestling

SPRING SPORTS

Baseball
Softball
Tennis, Boys
Track & Field
Coed Unified Track

ANNUAL SPORTS

eSports

ADMISSION CRITERIA

Students are eligible for entrance if they...

Reside within one of our sending school districts: Central, Dallastown, Dover, Eastern, Hanover, Northeastern, Red Lion, South Eastern, South Western, Southern, Spring Grove, West York, City of York, York Suburban

- Earn passing grades:
English, Math, Science, and Social Studies.

- Have 5 or fewer unexcused absences
at the time your application is submitted.

- Complete York Tech's
•Interest survey
•Math and reading assessment for placement
•Interview with a school representative

APPLICATION PROCESS

Contact your school counselor for more specific information on our programs and to make sure you're signed up for a school visit to York Tech.

1. Visit our website, ytech.edu.
2. Click "Apply Now!" on our homepage.
3. Follow the instructions to submit your application.

Spartan Mission

The York County School of Technology is dedicated to providing high quality, dynamic academic and technical education for students, emphasizing professional skills while fostering the development of compassionate, lifelong learners who appreciate unique differences of other individuals and cultures.

Core Values

In order to accomplish our mission, the York Tech Community has embraced the following core values:

Professionalism: Spartans are on time, prepared and engaged.

Empathy: Spartans are kind, understanding and supportive.

Innovation: Spartans are bold and creative problem solvers.

Optimism: Spartans are positive, constructive and helpful.

Integrity: Spartans are honest, trustworthy and responsible.

Perseverance: Spartans are steadfast in the pursuit of success.

York County School of Technology Non-Discrimination Statement

The York County School of Technology shall not discriminate against any student, employee or applicant for admission or employment, or in its activities or programs, on the basis of race, color, religious creed, ancestry, union membership, age, gender, sexual orientation, gender expression or identity, national origin, AIDS or HIV status, or disability.