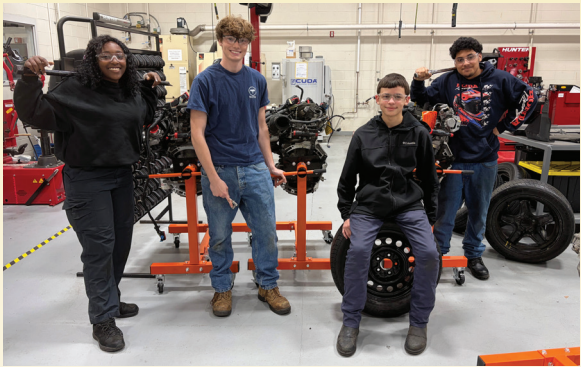


Career and Technical Education Offers Multiple Career Pathways

Technical training and hands-on skill development are essential for success in many high-demand, skilled career fields. EASTERN's programs expose students to the full range of career opportunities within their chosen industry, empowering them to explore options, gain valuable insight, and make informed decisions about their future career paths.



EASTERN Fosters Student Success!

EASTERN's mission is to equip all students with the dynamic skills, knowledge, and mindsets to succeed in a career pathway.

By combining academics with technical education at EASTERN, your child will have increased options for success.

Programs are tailored to the student's individual learning style, career goals and skill level.

Students build on their successes, feel better about themselves and perform better.

For more information, please call **215-784-4806** or visit our web site: **eastech.org**

EASTERN

CENTER FOR ARTS AND TECHNOLOGY

3075 Terwood Road, Willow Grove, PA 19090

EASTERN is accredited by the Middle States Association of Colleges and Schools.

Students who live in Eastern Montgomery County are eligible to attend.

- Abington
- Bryn Athyn
- Cheltenham
- Hatboro-Horsham
- Jenkintown
- Lower Moreland
- Springfield
- Upper Dublin
- Upper Moreland



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[EasternCenter4Arts](https://YouTube.com/EasternCenter4Arts)

Visit us at eastech.org

It is the policy of the Eastern Center for Arts and Technology not to discriminate on the basis of race, sex, color, religion, age, disability, sexual orientation or national origin in its career and technical programs, activities or employment as required by Title VI, IX, Section 504, and the Americans With Disabilities Act. EASTERN provides equal access to the Boy Scouts and other designated youth groups. EASTERN will take steps to assure that lack of English language skills will not be a barrier to admission and participation in its career and technical programs. Further assurance is given that services, activities and facilities are acceptable to and usable by persons with handicaps. is committed to providing a website that is accessible to the widest possible audience, regardless of technology or ability. The following person has been designated to handle inquiries regarding the non-discrimination policies: Equity Coordinator, 3075 Terwood Road, Willow Grove, PA 19090; 215-784-4800; equitycoordinator@eastech.org.

We Provide the Direction, Preparation, and Skills Needed for a Successful Future

EASTERN'S Career and Technical Programs are Becoming Increasingly Popular with High School Students

EASTERN
CENTER FOR ARTS AND TECHNOLOGY



Will Your Child Be Ready?

CAREER PATHWAYS AND COLLEGE PREPARATION

Career and technical education provides students with a variety of career pathways and expands their opportunities for success in college and a career. We teach the skills essential for their chosen trade, provide hands-on learning that complements academic studies, and prepare students for college. The possibilities are limitless.



COLLEGE ADVANCED PLACEMENT PROGRAMS

All of our programs offer EASTERN students the added value of earning college credits or advanced placement for work completed at EASTERN through our many articulation agreements. Students may qualify for up to 9 free college credits through Perkins statewide articulation agreements. All statewide articulation agreements can be found at collegetransfer.net under the **PA Bureau of CTE SOAR Programs** section.

DUAL CREDIT OPPORTUNITIES

Through our dual credit opportunities with Montgomery County Community College (MCCC), students enrolled in EASTERN's *Allied Health, Business and Technology Professional, and Networking and Cybersecurity* programs will earn credits needed for high school graduation and have the potential to earn college credits – at the same time! Students who participate in the dual credit program are considered MCCC students and have access to MCCC resources. MCCC requires a specific number of students to commit to participation in the dual credit program per class for this benefit to be made available. EASTERN students in Allied Health, Business and Technology Professional, and Networking and Cybersecurity, receive discounted tuition rates for the MCCC college credits. Through our recent dual credit agreement with the **Pennsylvania College of Technology**, students in *Design, Photography, and Illustration, Culinary Arts, and Electrical Technology*, also have the opportunity to earn transferable credits.

REGISTERED PRE-APPRENTICESHIP PROGRAMS.

EASTERN currently offers five programs approved as Registered Pre-Apprenticeship Programs: Electrical Technology, Heating, Ventilation, and Air Conditioning, Networking and Cybersecurity, Robotics and Automated Technology, and Welding Technology. Students benefit from industry tours, résumé reviews, mock interviews, tools, industry connections, and more.

■ **Allied Health** – This is a one-year program for college-bound high school seniors who want to prepare for a career in the health field. Students can potentially earn up to six transferable credits from MCCC for Medical Terminology and Medical Law & Ethics through EASTERN's dual credit program. Additionally, the program is designed to offer certifications in First Aid, CPR/AED and provide clinical shadowing experiences in the health field. Higher education can lead to such careers in laboratory or nuclear medicine, physical therapy, physician's assistant, or a nurse. Allied Health students move on to various healthcare-related college programs, including nursing, biology, biochemistry, and pre-med. This program blends academic/medical study with hands-on skills taught by healthcare professionals to explore career opportunities.

■ **Automotive Technology** – The curriculum, facility, and instructor are certified by the National Institute for Automotive Service Excellence (ASE). Students have the opportunity to attain the entry-level two-year certification through ASE. Students will also be trained to test for their Mobile Air Conditioning license through Mobile Air Climate Systems Association, State Inspections license, and Emissions license.

■ **Business and Technology Professional** – Prepares students for a career in a professional business environment. Students can earn up to nine transferable credits through EASTERN's dual credit program with MCCC. Students study the current Microsoft Office applications at intermediate and advanced levels and other communication technologies. Students will be well-versed for the industry demands of high level written and verbal communication skills, soft skills, along with acquiring any skills necessary to succeed in any business or office environment. Higher education can lead to careers in business administration, business management, customer service and in various business fields.

■ **Carpentry** – (Formerly known as *Construction Technology*) – Curriculum includes blueprint reading, planning and estimating, along with experience in the installation of formwork, framing, finishing, and stair, rafter and roof construction. Higher education can lead to such careers as architecture, civil or architectural engineering, general contracting, surveying and construction management.

■ **Collision Repair Technology** – One of only 19 programs in Pennsylvania certified by ASE, and one of 8 in the state for I-CAR's Industry Training Alliance. Curriculum includes automotive refinishing techniques, color mixing, painting and structural repairs.

■ **Construction Careers and Management** – Construction Careers and Management is designed for students who are ready to explore the basics of the construction trades. The curriculum includes foundational skills in electrical work, HVAC systems, carpentry, plumbing, tile installation, painting, and project management. Students will have the opportunity to earn their OSHA 10 certification.

■ **Cosmetology** – Prepares students to take the Pennsylvania State Board of Cosmetology exam upon completion of the required 1,250 hours. Curriculum focuses on creative and technical skills needed to be a successful cosmetologist. Higher education can lead to business management or ownership, product development representation and design.

■ **Culinary Arts** – Curriculum focuses on creative and technical skills needed in the preparation of soups and sauces, entrees, baking, kitchen sanitation, purchasing and inventory controls. Students will gain experience working in a school-based restaurant, and they will have the opportunity to earn ServSafe Food Handler and ServSafe Manager certificates. Higher education can lead to such careers as chef, nutritionist and food science specialist, restaurant management and ownership, retail food management and food styling.

■ **Design, Photography, and Illustration** – Intense creative and technical program that includes drawing, design, color theory, digital imaging and photography. Students explore hand drawing and a variety of digital medias. All software and digital studio equipment are industry-standard. Higher education can lead to such careers as graphic design, illustration, animation and multimedia specialties. College credits have been awarded for class portfolio work, providing students with a head start on their higher education journey. Additionally, formal articulation agreements are in place with several prestigious institutions, including Kutztown University, Penn College of Technology, and Pennsylvania College of Art and Design.

■ **Electrical Technology** – Training is provided in residential, commercial, and light industrial electrical applications, as well as data cabling, basic fiber optic installation, and residential and commercial lighting control systems. Students receive 10 hours of Occupational Safety and Health Administration (OSHA) training to maintain a safe and healthy work environment. Students can earn 5 dual-enrollment college credits through a partnership with Penn College of Technology. These dual-enrollment credits can be transferred to other post-secondary schools. Additional training can lead to such careers as electrical engineering, residential electrician, and commercial electrician. Postsecondary apprenticeships can lead to a Journeyman's certificate. Good color vision and the ability to climb moderate heights on a ladder are important.

■ **Exercise Science and Rehabilitation** – The Exercise Science and Rehabilitation program helps prepare students for careers in physical therapy, athletic training, personal fitness, and sports medicine. Topics include routine rehabilitation, the roles and responsibilities of rehabilitation providers, anatomy and physiology, nutrition and wellness, and therapeutic techniques. The program offers certifications such as OSHA Healthcare and CPR/First Aid. Students also receive foundational knowledge to prepare for the ACSM Certified Personal Trainer and AMCA Physical Therapy Aide certifications, which they can pursue once they turn 18.

■ **Heating, Ventilation & Air Conditioning** – Curriculum includes heating and air conditioning that require an understanding of gas laws pressure/temperature relationships, proper use of tools, electricity needed for the service technician, and an introduction to hydronics. Students also can receive their OSHA 10, SP2, Tracpipe, Gastite and EPA certifications. Higher education can lead to such careers as residential heating, air conditioning, mechanical technology or engineering.

■ **Networking and Cybersecurity** – Interested in Technology? Want to earn college credit while in high school? A network administrator maintains network infrastructure such as switches and routers as well as diagnosing problems with network-attached computers. Cybersecurity consists of the detection of threats, attacks, and vulnerabilities of a system. Students work toward the TestOut Microsoft

(**Networking and Cybersecurity continued**) Server Certification exam. The program includes some light scripting, but it does not involve any coding. Higher education can lead to careers in computer information systems technology, computer network administration and technology support, as well as information security analyst.

■ **Protective Services** – A comprehensive, multi-disciplined program developed in consultation with a countywide advisory committee of law enforcement, fire service, EMS, security, and post-secondary professionals. Students participate in all four career pathways: Law Enforcement, Firefighting, Emergency Medical Services, and Security/Homeland Security. Curriculum includes leadership, criminal justice, emergency response, fire and crash investigation, hazardous materials, emergency communications, security systems, and homeland security. The program provides a strong foundation for post-secondary education and careers in public safety, emergency services, security, corrections, and emergency management.

■ **Robotics and Automated Technology** – As more industries use robotics and automation to perform repetitive tasks, there is an increased need for engineers to design these systems and technicians to program and troubleshoot them. In this program, you will learn to design and build automated systems and diagnose and maintain state-of-the-art automated equipment. Students will perform activities and obtain knowledge in areas such as electronics, robotics, mechanical systems, fluid power systems, programmable logic controllers, and control systems. Among other certifications, students will earn an OSHA 10-hour General Industry (Manufacturing).

■ **Veterinary Science** – Provides students with the first steps necessary to pursue a career in the animal care industry. Students will learn to support veterinarians by providing assistance during animal examinations, treatment administration and monitoring, managing animal and related health record information and how to perform a range of selected practice-related duties. Students enrolled in the Veterinary Science program will prepare for post-secondary education in Veterinary Sciences or employment in careers in a veterinary hospital, pet and pet supply store, grooming salons, kennel, animal humane societies, farms and ranches.

■ **Welding Technology** – Curriculum covers properties of different types of metals and how to join them using GMAW, FCAW, SMAW and GTAW processes, thermal cutting processes, blueprint reading, fabrication, testing, and inspection. These dual-enrollment credits can be transferred to other post-secondary schools. Higher education can lead to such careers as mechanical, structural, or precision welding, aerospace, industrial engineering, manufacturing and welding engineering. Students have the potential to earn their American Welding Society D1.1 certification, which gives graduates an advantage above entry-level welders in the field and offers better employment opportunities.