

Career and Technical Education Students Can, and Do, Go To College!

"The purpose of pursuing a college or university education in the United States is becoming decidedly more vocational... What most middle and upper-income families now seek for themselves as well as their children are tertiary education opportunities that can provide a competitive premium in the labor market. If the goal is high-skill, high-wage employment, do not confuse education with skill. This type of employment is highly competitive. Individuals who have the prerequisite occupational skills, not just a bachelor's degree, will have the advantage."

*("The Gatekeepers" by Kenneth Gray,
Professor, College of Education, Penn State University)*

Technical training and practical skill application are needed for success in most of the high-skilled career fields; such as, Architecture, Automotive Design, Commercial Graphic Arts, Computer Information Systems Design, Construction Management, Criminal Justice, Medical/Surgical, and Network Administration.



EASTERN Fosters Student Success!

EASTERN's mission is *"to equip all students with the skills, knowledge, and attitudes necessary to select, enter, and succeed in a career and to anticipate and adapt to change by providing high-quality technical instruction and specialized services."*

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.

EASTERN programs are for students who know what career they want to pursue and want to get a head start on it, and for those who want to use the EASTERN opportunity as a means of exploring career options.

EASTERN was one of the first schools in Pennsylvania to offer a Student Warranty, which guarantees that an EASTERN graduate will be able to perform all the competencies certified by our school. If the skills are not at the required level for entering a specific job, training at no cost to our graduate or the employer will be provided.

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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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. 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.

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. Statewide articulation agreements include schools such as Bucks County Community College, Delaware County Community College, Clarion University of Pennsylvania, Montgomery County Community College (MCCC), Thaddeus Stevens College of Technology, and Johnson College. All statewide articulation agreements can be found at [collegetransfer.net](https://www.collegetransfer.net) under the **PA Bureau of CTE SOAR Programs** section.

DUAL ENROLLMENT OPPORTUNITIES

Through our dual enrollment opportunities with 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 enrollment 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 enrollment 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.

■ **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 three credits from MCCC for Medical Terminology through EASTERN's dual enrollment program. Higher education can lead to such careers as a technician 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 biology and pre-med. This program blends academic/medical study with opportunities to job shadow and interact with healthcare professionals to explore career opportunities. (Job shadowing opportunities dependent upon sites opening for student visits.)

■ **Automotive Technology** – Curriculum, facility and instructor are certified by the National Institute for Automotive Service Excellence (ASE). Students will be able to attain the Entry Level two-year certification through ASE and will be trained to test for their Mobile Air Conditioning license through Mobile Air Climate Systems Association (MACS.) Program covers computerized diagnostic techniques, engines, fuel systems, electrical systems, transmissions, clutches, brakes, front and rear suspensions, air conditioning and routine service procedures. Higher education can lead to such careers as engineering and design, manufacturing/sales, automotive specialty fields and technical writing.

■ **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 enrollment 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 representative and various forms of administrative support.

■ **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. Higher education can lead to such careers as automotive, marine and aeronautical service, new car design, race car fabrication and vehicle engineering, and collision test engineering.

■ **Commercial Art** – 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, and formal articulation agreement are in place for Hussian School of Art, and Pennsylvania College of Art and Design.

■ **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.

■ **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 personal care consultant. 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.

■ **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 automation systems. Students receive 10 hours of Occupational Safety and Health Administration (OSHA) training to maintain a safe and healthy work environment. Higher education can lead to such careers as electrical engineering, residential electrician and commercial electrician. Post-secondary apprenticeships can lead to a Journeyman's certificate. Good color vision and the ability to climb moderate heights on a ladder are important.

■ **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. 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 Server Certification exam. Higher education can lead to careers in computer information systems technology, computer network administration and technology support, as well as information security analyst.

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■ **Protective Services** – A multi-disciplined program developed in consultation with a county-wide advisory committee of law enforcement, fire science, security professionals and post-secondary institutions. Curriculum includes foundations in criminal justice, firefighting, EMS and security systems. Detailed instruction and training on leadership, criminal, motor vehicle crash and fire investigation, first responders, security systems, terrorism, firefighting, hazardous materials and emergency communications. The program establishes a baseline for higher education leading to careers in law enforcement, firefighting, security, corrections, emergency management and investigation.

■ **Robotics and Automated Technology** – Are you inspired by innovation and new technology? In this program, you will learn to design and build robotic devices and diagnose and repair 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. CareerSafe certifications students will work to obtain include OSHA 10-hour General Industry (Manufacturing), and Employability: Interview Skills Training. With further education and experience, students can find opportunities in occupations such as Mechatronics Technician, Electronics Technician, Mechanical Engineer, Electrical Controls Engineer, and Manufacturing Engineer.

■ **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. Higher education can lead to such careers as mechanical, structural, or precision welding, aerospace, industrial engineering, manufacturing and welding engineering.

NEW PROGRAM FOR 2022 – 2023!

■ Exercise Science and Rehabilitation –

The Exercise Science and Rehabilitation program will help 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 is designed to offer certifications such as OSHA Healthcare, CPR/First Aide, ACSM Certified Personal Trainer, and AMCA Physical Therapy Aide.