

Air Conditioning and Heating Technology

There is always a demand for these services!

- This two year career program provides a comprehensive foundation of the basic theories and principles of heating, air conditioning and heat pump systems. One-year seniors will be considered if space is available.
- Career Objectives:
Air Conditioning and Heating Technician; Air Conditioning and Heating Helper*
- Advanced Placement:
Students may also qualify for advanced placement college credit at Penn College of Technology
- With higher education, this program prepares the student for success in such career fields as:
Residential heating, air conditioning, mechanical technology, mechanical engineering, insurance consultant and building maintenance

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	AIR CONDITIONING & HEATING TECHNOLOGY						
637.261-014	Air Conditioning and Heating Technician	R4	9-12	M3	7-8	L3	7-8
637.664-010	*Air Conditioning and Heating Helper	R3	7-8	M2	4-6	L2	4-6

* one-year career objective

Allied Health

Be sure a career in a health field is for you, take Allied Health!

- This one-year senior-only program is designed for students with rigorous academic preparation who plan to continue their education in college to prepare for a career in the health field. Students will get extensive clinical experiences partnering with health professionals at Abington Memorial Hospital.
- Career Objectives:
A career in the allied health field requiring post secondary education
- Prerequisites:
 - grade of 'C' or better in Algebra I & II, Biology and Chemistry (College Prep Level)
 - High school GPA of 2.5 or higher preferred
 - Physical exam and police check as mandated by State Law
- With higher education, this program prepares the student for success in such career fields as: Laboratory or nuclear medicine technician, radiation therapy or radiology technician, cardiovascular and respiratory technology, physical or occupational therapy, nurse practitioner, physician's assistant or nurse

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	ALLIED HEALTH						
Varied	*Allied Health	R5	Col 1-2	M4	9-12	L5	Col 1-2
	i.e. 076.224-010 Physical Therapist Asst.						
	078.362-026 Radiology Technologist						

* one-year career objective

Automotive Technology

Take this program to get a head start in the automotive field!

- This two-year career program is designed for the student who is serious about working in the automotive industry. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Automotive Technician Trainee; Under Car Specialist*; New Car Preparation Technician
- The curriculum, facility and instructor are:
 - National Institute for Automotive Service Excellence (ASE) certified
 - Partners with the Automotive Youth Educational Systems Program (AYES) to provide qualified junior with experiences at participating dealerships and paid summer internships
- Certification Students can earn:
ASE qualifying exams (after completing a reduced period of work experience in that industry)
- Students also qualify for advanced standing through an articulation agreement with:
 - Montgomery County Community College for nine credits
 - Lincoln Technical Institute for three courses
 - Penn College of Technology Advanced Placement understanding
 - Universal Technical Institute-UTI for up to four UTI Auto Tech courses
- With higher education, this program prepares the student for success in such career fields as:
Automotive service, engineering and design, manufacturer representative, insurance industry damage appraisal and testing, race car development, technical writing, managing and teaching

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	AUTOMOTIVE TECHNOLOGY						
620.261-012	Automotive Technician Trainee	R4	9-12	M3	7-8	L3	7-8
620.684-014	*Under Car Specialist	R2	4-6	M1	0-3	L2	4-6
620.364-010	New Car Preparation Technician	R2	4-6	M2	4-6	L2	4-6

* one-year career objective

Collision Repair Technology

You'll meet industry standards to be a success in this field!

- A student enrolled in this two-year career program benefits from a combination of classroom instruction and hands-on experience needed to carry out repairs on motor vehicles. Students benefit from the use of I-Car (Inter-Industry Conference on Auto Collision Repair) enhanced curriculum. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Automotive Refinisher; Sheet Metal/Cosmetic Repair Person; Frame/Structural Repair Person; Automotive Refinisher's Helper*
- Program Certification
This is one of only twenty-one programs in Pennsylvania certified by the National Institute for Automotive Excellence (ASE) for meeting industry standards
- Certification Students can earn:
Safety and Pollution Prevention (S/P2) Certification
- Advanced Placement
Students may qualify for advanced placement college credit at Penn College of Technology

- With higher education, this program prepares the student for success in such career fields as:
Automotive, marine and aeronautic service, new car design, manufacturing representative, insurance industry damage appraisal and testing, race car fabrication and vehicle engineering, metal fabrication, safety design engineering, technical writing, consumer information technologies, collision test engineering and teaching

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	COLLISION REPAIR TECHNOLOGY						
845.381-010	Automotive Refinisher	R3	7-8	M2	4-6	L3	7-8
807.381-010	Sheet Metal/Cosmetic Repair Person	R3	7-8	M3	7-8	L3	7-8
807.381-010	Frame/Structural Repair Person	R3	7-8	M3	7-8	L3	7-8
845.684-014	*Automotive Refinisher's Helper	R2	4-6	M1	0-3	L1	0-3

* one-year career objective

Commercial Art

You'll develop your own portfolio!

- This two-year career program covers everything from conceptual drawing and design to a professional portfolio; students learn the value and application of their unique styles in both design and illustration; and students use industry standard software. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Graphic Design; Commercial Illustration; Digital Imaging Design
- Upon Completion of the program:
 - Students will have a portfolio consisting of items a committee of art college representatives established
 - Senior students will have their portfolios reviewed by art school representatives
- Advanced Placement:
Students may qualify for advanced placement college credits at Penn College of Technology
- With higher education, this program prepares the student for success in such career fields as:
Graphic design, illustration, animation, computer-generated graphic art, teaching and multi-media specialist.

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	COMMERCIAL ART						
141.061-022	Commercial Illustration	R5	Col 1-2	M2	4-6	L4	9-12
141.061-018	Graphic Design	R5	Col 1-2	M3	7-8	L4	9-12
141.061-018	Digital Imaging Design	R5	Col 1-2	M3	7-8	L4	9-12

Computer Network Administration

Do your friends/family/teachers call you to fix their computers? Are you thinking a career in the computer field would interest you? More and more businesses need network administrators – get your start at EASTERN!

- This two-year career program prepares students for three industry certification exams:
Certified Novell Administrator (CNA), Microsoft Certified Professional (MCP) and Linux Certification (Linux+). It also introduces you to Cisco. One-year seniors will be considered if space is available in the program.

- Career Objectives:
Network Administrator; Novell Network Administrator*
- Prerequisites:
Solid math background (Algebra II completed or scheduled during the first year of the program)
- Advanced Placement
Students may also qualify for advanced placement college credit at Penn College of Technology
- College Credit
Students who successfully complete this program with a 'B' average or better are eligible for up to 12 credits in the Montgomery County Community College Associate Degree program, can earn up to eight credits at DeVry University and are guaranteed admission into Penn State Abington's School of Information Sciences and Technology if they meet PSU criteria
- With higher education, this program prepares the student for success in such career fields as:
computer networking, computer information systems, teaching, computer network engineering, technology support and services, help desk support

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	COMPUTER NETWORK ADMIN.						
031.262-010	*Novell Network Administrator	R5	Col 1-2	M3	7-8	L5	Col 1-2
031.262-010	Network Administrator	R5	Col 1-2	M3	7-8	L5	Col 1-2

* one-year career objective

Construction Technology

Get satisfaction from building projects and working with current materials used in the field to refine your construction skills!

- This two-year career program is the first step for students interested in pursuing a successful career in the construction field. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Pre-Apprentice; Exterior Remodeling and Installation; Roofing & Siding Helper*
- Students will work on both residential and commercial construction in the school's shop and at nearby building sites
- Advanced Placement and Apprenticeship
Students may qualify for advanced placement college credit at Penn College of Technology or want to consider an apprenticeship program after high school
- With higher education, this program prepares the student for success in such career fields as:
Architecture, general contracting, teaching, surveying, construction management, construction technology, civil engineering, architectural engineering, code enforcement and insurance adjustor

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	CONSTRUCTION TECHNOLOGY						
860.381-026	Pre-Apprentice	R4	9-12	M3	7-8	L3	7-8
869.381-010	Exterior Remodeling and Installation	R4	9-12	M3	7-8	L3	7-8
860.684-014	*Roofing & Siding Helper	R3	7-8	M1	0-3	L2	4-6

* one-year career objective

Cosmetology

Save over \$10,000 by taking this program in high school!

- This two-year half-day program will provide the skills necessary to begin a career in the cosmetology field. In Pennsylvania, as well as other states, cosmetologists and manicurists must be licensed to practice in the field. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Cosmetologist; Manicurist/Salon Technician*
- Certifications students can earn:
 - First year students at EASTERN are expected to pass the State Board of Cosmetology written performance test required for licensure as a Manicurist (This is a prerequisite to continuing their studies leading to licensure as a Cosmetologist)
 - Pennsylvania State Board of Cosmetology - licensed cosmetologist.
- With higher education, this program prepares the student for success in such areas as: Cosmetology, management, teaching and product representation.

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	COSMETOLOGY						
332.271-010	Cosmetologist	R4	9-12	M3	7-8	L3	7-8
331.674-010	*Manicurist/Salon Technician	R2	4-6	M1	0-3	L2	4-6

* one-year career objective

Culinary Arts

Build your culinary skills and techniques at EASTERN so you can compete in this field!

- This two-year career program enables students to acquire a variety of skills including soup and sauce preparation, preparation of meat, fish and poultry entrees, baking, kitchen sanitation, purchasing and inventory controls. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Cook Apprentice; Prep Cook; Pantry Person; Kitchen Helper*
- Certification students can earn:
ServSafe Certification
- Culinary students continuing their education in this field can benefit from college credit articulation agreements with:
 - Johnson and Wales University (for up to 13.5 quarter credits)
 - Bucks County Community College (14 quarter hours)
 - Montgomery County Community College (9 credits)
 - Students may also qualify for advanced placement college credit at Penn College of Technology.
- With higher education, this program prepares the student for success as:
A chef or in Food and beverage management, purchasing, teaching, pastry and retail food management

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	CULINARY ARTS						
318.687-010	*Kitchen Helper	R2	4-6	M1	0-3	L1	0-3
317.684-014	Pantry Person	R3	7-8	M2	4-6	L2	4-6
313.361-014	Prep Cook	R3	7-8	M3	7-8	L3	7-8
313.361-014	Cook Apprentice	R3	7-8	M3	7-8	L3	7-8

* one-year career objective

Electrical Technology

Don't just focus on working in this field, think about starting your own business too!

- This two-year multi-faceted career program enables the student to learn the basics of electricity as well as residential and commercial wiring, data cabling and basic fiber optic installation. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Residential Electrician's Helper; Commercial Electrician's Helper
- Prerequisites:
 - Good color vision and hand eye coordination
 - Ability to climb moderate heights on a ladder
- Advanced Placement and Apprenticeship:
Students may also qualify for advanced placement college credit at Penn College of Technology or want to consider an apprenticeship program after high school
- With higher education, this program prepares the student for success in such career fields as:
Residential or commercial electrician, electrical engineering, teaching, computer systems engineering, communications engineering and development

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	ELECTRICAL TECHNOLOGY						
824.261-010	Residential Electrician's Helper	R4	9-12	M4	9-12	L3	7-8
824.261-010	Commercial Electrician's Helper	R4	9-12	M4	9-12	L3	7-8

Electronics Engineering Technology

You'll enjoy the hands-on approach used in this program!

- In this two-year career program the hands-on learning makes it easier to understand and be successful.
You will learn how to solve technical problems and build electronic and electromechanical circuits. You will also learn how to build a computer and work with fiber optics. If you join our robotics team you have the opportunity to design, build and test robots for various competitions. One-year seniors will be considered if space is available in the program.
- Career Objectives
Digital Engineering Assistant; Photonic-Electronic Technician; Electronic Assembler
- Prerequisites
 - The student should have taken, or be concurrently enrolled in Algebra I
 - Academic courses required by colleges should be taken during high school to qualify for college acceptance.
- Advanced Placement
Students may also qualify for advanced placement college credit at Penn College of Technology.
- College Credits
Qualified students can earn up to 8 credits at DeVry University
- With higher education, this program prepares the student for success in such career fields as:
Telecommunications, security system design, facility and product management, teaching and electrical engineering

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	ELECTRONICS ENGINEERING TECHNOLOGY						
828.261-022	Digital Engineering Assistant	R4	9-12	M4	9-12	L4	9-12
003.161-014	Photonic-Electronic Technician	R5	Col 1-2	M5	Col 1-2	L4	9-12
726.684-018	*Electronic Assembler	R2	4-6	M1	0-3	L2	4-6

* one-year career objective

Landscape Contracting

If you are a person who likes the outdoors, you can prepare for a career in the ‘Green Industry’ with this program!

- This two-year career program prepares students to successfully develop and implement landscape projects; climb, prune and repair trees; or all facets of property/grounds maintenance. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Landscape Contractor; Arborist Trainee (tree preservation)*; Landscape Technician
- Certifications students can earn:
Certified Landscaping Technician through the Associated Landscape Contractors of America as a Maintenance Technician and or Installation Technician; Arborist certification from the International Society of Arboriculture
- Advanced Placement:
Students may also qualify for advanced placement college credit at Penn College of Technology
- With higher education, this program prepares the student for success in such green career fields as:
Arboriculture, horticulture, landscape architecture, landscape design, turf grass and golf course management.

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
	LANDSCAPE CONTRACTING						
408.161-010	Landscape Contractor	R4	9-12	M4	9-12	L4	9-12
408.181-010	*Arborist Trainee	R4	9-12	M2	4-6	L2	4-6
408.687-014	Landscape Technician	R2	4-6	M2	4-6	L2	4-6

* one-year career objective

Protective Services

You’ll earn several certifications to give you a head start on careers in this field!

- This two-year career program prepares the student to enter a career related to law enforcement, fire science, safety and risk management and emergency radio dispatch. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Focused on preparing students for Police; Security*; Fire Fighter 1
- Program Prerequisite:
The student must undergo a State Police check to enroll in the program and work in this field
- Certifications students can earn:
-Firefighter 1 and 2, Fire Inspector 1 and Hazardous Materials Awareness & Operations (testing by the Bucks Co. Fire Academy with Certifications from the International Fire Service Training Association)
-CPR, First Aid and AED (testing by the American Red Cross)

-Emergency Radio Dispatcher (through the National Academy of Emergency Dispatchers)

■ College Credits

-Articulation Agreement with Montgomery County Community College in Criminal Justice and Fire Science programs for qualified students to receive 3 credits

-Qualified students taking CHI's Criminal Justice Program will be awarded 8 credits

- With higher education, this program prepares students for success in such career fields as:
Criminal justice, teaching, fire fighting, security and corrections

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
PROTECTIVE SERVICES							
375.263-014	Police	R4	9-12	M2	4-6	L3	7-8
376.367-018	*Security	R3	7-8	M1	0-3	L2	4-6
373.364-010	Fire Fighter 1	R4	9-12	M2	4-6	L3	7-8

* one-year career objective

Welding Technology

Good welders make good money...learn how at EASTERN!

- This two-year career program is designed for the student who is interested in the industrial engineering field. One-year seniors will be considered if space is available in the program.
- Career Objectives:
Combination Welder; Welder/Fabricator; MIG Welding, Gas Welding & Cutting*
- Students will learn about the properties of different types of metals and how to join them using state-of-the-art welding equipment
- Advanced Placement
Students may also qualify for advanced placement college credit at Penn College of Technology.
- With higher education, this program prepares students for success in such career fields as:
mechanical, aerospace or industrial engineering, physical metallurgist, business owner, teaching, equipment sales and welding engineer.

D.O.T. Code	Career Objective	Reasoning Level	Grade Level	Math Level	Grade Level	Language Level	Grade Level
WELDING TECHNOLOGY							
819.384-010	Combination Welder	R4	9-12	M3	7-8	L3	7-8
809.381-010	Welder/Fabricator	R3	7-8	M2	4-6	L2	4-6
811.684-014	*Mig Welding, Gas Welding & Cutting	R3	7-8	M3	7-8	L3	7-8

* one-year career objective