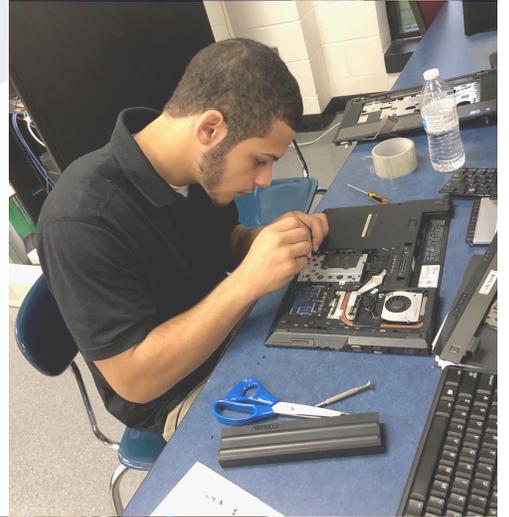


FORBES ROAD  
CAREER & TECHNOLOGY CENTER

# Programs of Study 2022-23

607 BEATTY ROAD-MONROEVILLE, PA 15146  
412-373-8100  
FORBESROAD.COM



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# What is Career & Technical Education?

The key to a successful and productive society is found in maintaining a highly qualified, skilled, and educated workforce. Forbes Road CTC provides students the education and skills they need to be successfully employed and to advance to postsecondary education.

For high school students who desire a unique learning experience, Forbes Road CTC may be a great fit. Our career and technical education programs can prepare students for a job right out of high school, while students also complete their academic core requirements. Students can still play sports and go to any high school functions just like any other student, but we can help you get MORE out of your high school experience.

Over half of the jobs on the market today require technical training. According to the Bureau of Labor Statistics, over 50% of America's jobs require "Middle-Skills" (more than a high school diploma, but less than a 4-year degree), and over 30% of the jobs available require "High-Skills". Forbes Road CTC can help you attain these skills and obtain a career.

## What we have to offer

Forbes Road CTC provides quality education that enables all individuals to achieve their fullest potential in pursuit of employment and/or educational skills. Our goal is to provide a variety of quality learning experiences, which will enable students to compete successfully in today's workplace. We strive to equip students with experiences that will enable them to strengthen family foundations, positively influence the community, and participate as an enlightened and informed member of society. Forbes Road CTC provides many educational courses and programs that can help you obtain the certification and skills you need to move forward in today's competitive job market.

# Mission Statement

The mission of Forbes Road Career and Technology Center is to provide a quality educational program that enables all individuals to achieve their fullest potential in the pursuit of high skill employment and advanced education. Each student shall be equipped with the technical, academic, human relation, and life-long learning skills necessary to adapt in a changing economy and to compete in the global marketplace.

# Nondiscrimination Policy

Forbes Road Career and Technology Center does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. For information regarding civil rights, grievance procedures, or access, contact the Title IX Coordinator/Assistant Director at 607 Beatty Road, Monroeville, PA 15146 or 412-373-8100.

# About Us

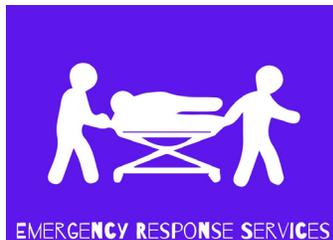
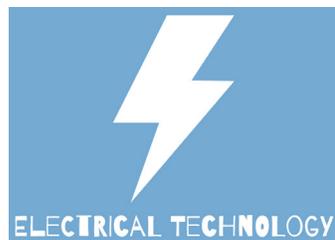
Our school was founded in 1959 to provide quality career and technical education to high school students and adults in our area which is east of Pittsburgh, PA in Allegheny County. For over six decades, our mission of providing students with the knowledge and skills needed to be successful in their chosen career remains the same.

# Partner Schools

Allegheny Valley | East Allegheny | Franklin Regional | Gateway | Highlands | Penn Hills | Plum Borough | Riverview | WPSD | Wilksburg | Woodland Hills

All students in grades nine, ten, eleven and twelve from our partner schools can attend on either a half-day or full-day basis. Interested students should fill out the online registration form.

# Career & Technical Programs



# Directory

## Administration

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Administrative Director	Mr. Edward J. McMullen
Assistant Director/Supervisor	Mr. Nicholas Falcon
Principal	Ms. Michelle Wolfe

## Support Staff

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Outreach & Recruitment	Ms. Katie Bischak
School-to-Work Coordinator	Ms. Roxanne Oberst
Special Populations Coordinator	Ms. Suzanne Kuban
Special Population Advisor	Ms. Stephanie Nejes
Special Education/Learning Facilitator	Ms. Catherine Raines
Special Education/Learning Facilitator	Mr. Drew Ulyas
Student Services Coordinator	Dr. Megan Tomley

## Technical Programs Faculty

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Advertising Design	Ms. Janel Lavorini
Auto Body Repair Technology	Mr. Joshua Krentz
Automotive Technology	Mr. Donald Kosker
Building Construction	Mr. James Cristillo
Computer Networking & Security	Mr. George Karnbauer
Cosmetology	Ms. Ryan Marie Herman
Cosmetology	Ms. Erica Shuglie
Culinary Arts	Ms. Christine Miranda
Culinary Arts	Ms. Bethany Hopkins
Diesel Technology	Mr. Dominic DeLuca
Early Childhood Education	Ms. Cherie O'Neal
Electrical Technology	Mr. Norman Bova
Emergency Response Services	Mr. Lee Silnutzer
Health Science Technology	Ms. Patrice Cormier
Health Science Technology	Mr. Darren Stenger
Heating, Ventilation & AC	Mr. Kendall Griffith
Landscape Design	Mr. Daniel Overdorff
Logistics & Supply Chain Management	Mr. Darrell Davis
Multimedia Design	Mr. Philip Greene
Veterinary Sciences	Ms. Melanie Longo

## Academic Faculty

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English	Ms. Aleah Prenni
Math	Ms. Susan Bennick
Physical Education/Health	Mr. Jeffrey Peters
Science	Mr. Justin Wills
Social Studies	Mr. Stephen Cohen

# Ninth Grade Exploratory Program

Students will participate in four programs of study including safety, theory, and lab areas. Students will be in a new program every nine weeks for the school year.

## Academics

Forbes Road CTC offers credit classes in English, Math, Physical Education/Health, Social Studies and Science for students in our Apprentice Program, Full-Day students, and students needing to make up course work. The courses can be Geometry, Trigonometry, Environmental Science, Physics, Biology, Physical Science, Social Studies, US History I, US History II, World Cultures, Economics, English 10, 11 and 12, Algebra 1, II and III. Students needing to make-up course work in these subjects may take 120 hours of English and/or Math at Forbes Road CTC and receive appropriate credit. This option is subject to sending school approval.

## NOCTI

NOCTI is the National Occupational Competency Testing Institute. Senior completer students must take the comprehensive exam during the spring of their senior year. The test has two components, a performance and technical assessment. Students must successfully complete both parts in order to receive a PA Skills Certificate and be a Program Completer

# Resources

Forbes Road CTC has two Resource Rooms that are staffed by certified special education teachers. Any student that needs help with their academic and /or technical work can go to the Resource Room for help. The staff also provides accommodations for testing.

## Student Assistant Program (SAP)

The Student Assistance Program at FRCTC helps to identify students who are experiencing problems that are interfering with their success. The SAP team helps students remove barriers that may be interfering with schoolwork and their overall wellbeing. The SAP team consists of general ed teachers, special ed teachers, counselors, administrators, and outside agencies. Students can be referred to the SAP team through someone at school, families, friends, or students can refer themselves! Negative symptoms that could lead to a SAP referral include: poor academic performance, showing disinterest in school, poor attendance, mental/emotional distress, loss of a loved one, trouble with the law and/or drug/alcohol use. To make a referral to our Student Assistance Team or for more information, please contact Dr. Megan Tomley, Student Services Coordinator at 412-373-8100 x221.

## National Technical Honor Society

The National Technical Honor Society is an educational non-profit that exists to honor, recognize, and empower students and teachers in Career & Technical Education. As the honor society for Career & Technical Education, NTHS serves over 100,000 active members annually in both secondary and postsecondary chapters across the country.

# School to Work

100% of students can gain real-world experience while in high school through Co-Ops, Job Shadows, Internships, and Apprenticeships.

## Apprenticeships

This is a one or two-year, secondary program with technical training and a job shadowing experience beginning in the sophomore or junior year. Students begin work-site learning as youth apprentices during the junior and senior years of high school. This is a paid apprenticeship, and as such, each student will be paid a wage for his/her work hours at the worksite. Additionally, each student will be covered by the workers' compensation program of the employer. Students in this program will spend three (3) days per week in their chosen career and technical education program. Additionally, students will receive applied academic curricula at Forbes.

## Cooperative Education (Co-Op)

The Co-Op program is an integral part of the Forbes curriculum, which extends the course beyond the walls of the classroom. Community-based businesses are utilized to expose students to the real-world of work. Second- and third-year students are eligible to participate in Co-Op with their instructor's recommendation.

## Internships

Eleventh and twelfth-grade students in our technical programs may have the opportunity to be involved with various local employers at an off-campus worksite. An Internship is a maximum of one-semester unpaid work experience.

## Job Shadow

Tenth and eleventh-grade students are highly encouraged to spend one to three days total, at a worksite directly related to their chosen career and technical field. The purposes of such visitations are to gain insight into the real-world of work. These first-hand experiences provide the tools, products, and talents of personnel within their desired career pathway through the sponsoring business.

# Free College Credits

Increasing numbers of high school technical courses are linked to two-year college programs. These programs can give you a head start on college and prepare you for jobs offering some of the greatest career opportunities for the future.

## Articulation Agreement/SOAR

A Career and Technical Education (CTE) Articulation Agreement is an agreement written between two institutions that permit skills and tasks learned at one institution (in this case, Forbes Road Career and Technology Center, which offers the PDE Approved SOAR Program) to be accepted and applied toward a degree or certificate at a postsecondary institution. Statewide articulation occurs when a specific Perkins Allocated Postsecondary Institution agrees to award college credit opportunities to any qualifying graduate of a PDE approved secondary school offering the SOAR Programs of Study across the entire Commonwealth of Pennsylvania, hence a statewide articulation.

For Eligibility Requirements, students must:

- Earn a high school diploma, achieve a minimum 2.5 GPA in the technical courses and complete the secondary school component of the approved PDE Program of Study
- Achieve competent or advanced level on the Secondary School end-of-program assessment that is appropriate to the approved PDE Program of Study.
- Achieve proficiency on all of the approved PDE Program of Study Secondary Competency Task List
- Furnish documentation to Postsecondary Institution upon written request.

In addition, FRCTC has a number of direct college credit articulation agreements with many post-secondary institutions.

# Dual Enrollment

The following two programs have dual enrollment opportunities with Community College of Allegheny County (CCAC)

## Health Science:

Community College of Allegheny County - ALH 140 - Medical Terminology Credits: 3 3 Lecture Hours Description This course is a basic study of the professional language of medicine. It is designed to include word construction, pronunciation, spelling, definition, and use of terms related to all areas of medical science, hospital service, and health-related professions. This course is designed to give the student a basic knowledge of anatomy, pathology, surgical procedures, diagnostic procedures, and symptomatology.

## Computer Networking & Security:

Community College of Allegheny County - CIT 100 - Computer Fundamentals and Applications Credits: 3 3 Lecture Hours Description This is a general computer literacy course. Students learn computer fundamentals (hardware, software, using a Microsoft Windows operating system), essential applications (word processing, spreadsheets, and presentation software), working online (networks, Internet, and email), and the impact of computing and the Internet on society. Students develop skills with common applications to use a computer as a tool, make informed decisions concerning computer-generated information and obtain basic information systems concepts and terminology.

# Student Organizations

Students that join Student Organizations have the opportunity to participate in any or all of the following as it pertains to their technical class.

SkillsUSA is a student organization that is very active at Forbes.



It is a national student organization solely for students in technical, skilled, and service careers. Students involved in SkillsUSA develop technical, academic, employability and leadership skills. Students get involved in community service projects, competitions, leadership conferences and fundraisers.



FBLA (Future Business Leaders of America) is the largest business career student organization in the world. Students at Forbes who have an interest in business, computers, public speaking and leadership FBLA can participate in career activities, competitions, community service, and leadership conferences.



BAMP (Builders Association of Metropolitan Pittsburgh) is an organization for the students in the construction cluster. This organization provides students with opportunities to get involved with professionals in the industry and exposes them to hands-on experiences they would otherwise not encounter.



FFA (Future Farmers of America) was founded by a group of young farmers back in 1928. Their mission was to prepare future generations for the challenges of feeding a growing population. They taught us that agriculture is more than planting and harvesting-- it's a science, it's a business and it's an art.

# ADVERTISING DESIGN

**CIP Code:** 50.0402 **CIP Code Name:** Commercial & Advertising Art

**Instructor:** Janel Lavorini **Email:** janell@forbesroad.com **Phone:** 412-373-8100 ext 269

The field of advertising and commercial art requires a person who possesses a wide range of creative skills. The curriculum includes the foundation for all creative/design fields. Today's graphic designer must be familiar with many forms of production, illustrative techniques, desktop publishing, and photography. From simple line drawings to computer-generated imaging, the students create art that requires them to apply technical theory to an advertising agency. Students apply the design principles to create a variety of products and printed materials on state-of-the-art equipment including digital printers, laser engravers, vinyl cutters, a sublimation system, and embroidery machines to reach and compel the target audience to purchase products and services.

## Courses of Study

Drawing/Illustration  
 Typography  
 Digital Imaging  
 Photography  
 Advertising Layout and Design  
 Commercial Applications  
 Electronic Pre-Press

## Industry Credentials

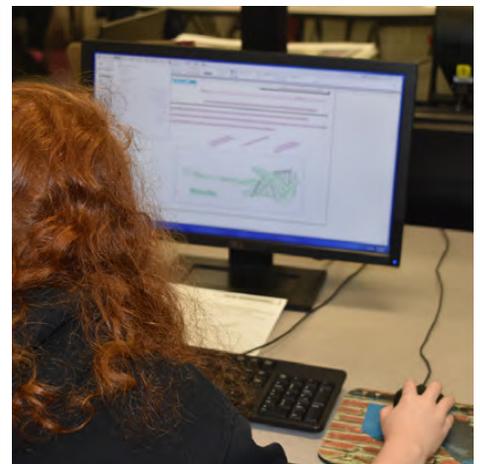
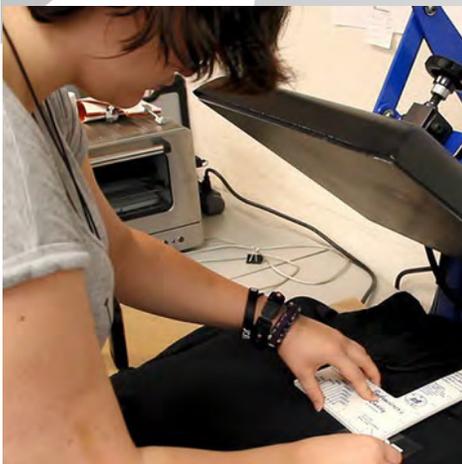
CareerSafe Employability  
 Skills Certification

## Career Paths

Multimedia Artist  
 Art Director  
 Commercial /Industrial Design  
 Graphic Designer  
 Fashion Designer/Illustrator  
 Photographer

## Post-Secondary Options

CCAC  
 Douglas Education Center  
 Harcum College  
 Pittsburgh Technical College



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Advertising Design**  
 Pennsylvania Department of Education CIP Code: 50.0402

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Community College of Allegheny County	9	ART 109 (3), ART 148 (3) ART 144 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Harcum College	9	ART 110 (3), DDN 151 (3) DDN 152 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Pittsburgh Technical College	6	GDA 150 (3), GDA 131 (3)	Local articulation agreement
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

# AUTO BODY REPAIR TECHNOLOGY

**CIP Code:** 47.0603 **CIP Code Name:** Auto Body/Collision Repair Technology/Technician

**Instructor:** Josh Krentz **Email:** joshk@forbesroad.com **Phone:** 412-373-8100 ext 239

The Auto Body Repair Technology program provides the skills necessary to transform a wrecked vehicle into a masterpiece. Students receive instruction with state of the art equipment for replacing or repairing auto body parts. Students personalize and customize vehicles by learning refinishing/painting techniques. Today's auto body technicians must be trained in the construction of the automobile body and framework. Automobile production uses materials and manufacturing techniques that demand that the auto body repair technician be competent in metalworking, welding, uni-body construction, surface preparation, spray painting, and accurate repair estimating. Students use safe and modern repair equipment in all phases of their training.

Courses of Study	Industry Credentials	Career Paths
Dent Repair/Removal	SP2	Collision Repair Technician
Collision Related Detailing	I Car	Automotive Painter
Replacement of Body and Trim	Lifting it Right	Body Shop Insurance Adjuster
Refinishing/Painting		Automotive Detailer
Structural Repair, Basic		Auto Body Technician
Mechanical Repair, Basic		Customer Painter
Estimating/ I-CAR		Automotive Assembly
Welding Procedures		Auto Body Repairer
Diagnosing Collision Damage		Automotive Glass Worker
Corrosion Protection		Automotive Body Painter
Vehicle Surface Protection		Specialty Painter
Sheetmetal Alignment		Frame Specialist

### Post-Secondary Options

Penn Tech  
 Universal Technical Institute  
 Rosedale Technical College  
 Ohio Technical College



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Auto Body Technology**  
 Pennsylvania Department of Education CIP Code: 47.0603

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Universal Technical Institute	6	UTI Tech 1/UTI Tech II	Per local articulation agreement
Ohio Technical College	4	OTC Modules	Per local articulation agreement
Thaddeus Stevens College of Technology	12	CORT111(4), CORT116(4), CORT107(4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Pennsylvania College of Technology	10	ABC125(2), ABC129(3), ABC100((2), ABC104(3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

# AUTOMOTIVE TECHNOLOGY

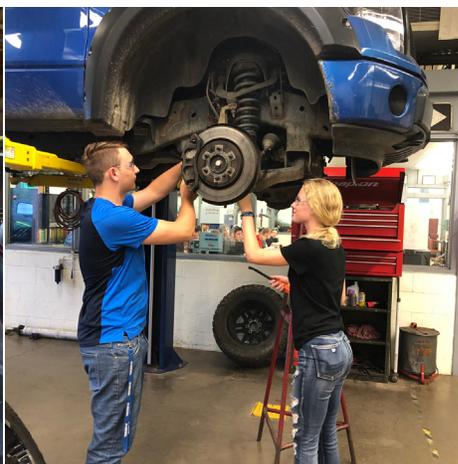
**CIP Code:** 47.0604 **CIP Code Name:** Auto/Auto Mechanics Technology/Technician

**Instructor:** Don Kosker **Email:** donk@forbesroad.com **Phone:** 412-373-8100 ext 246

Automotive Technology provides instruction covering a wide range of skills for the high-tech automotive industry. This includes disassemble and rebuild engines, computer diagnostics, maintenance, repair, and the opportunity to earn a PA State Inspection and Emissions Certification.

Students gain a clear understanding of the automotive service industry, basic technology skills, career opportunities, and the steps necessary for success in the field.

Courses of Study	Industry Credentials	Career Paths
Internal Combustion Engine Ignition Systems Lubrication and Oil Change Cooling, Exhaust, Fuel Systems Emission Systems Basic Electricity & Electronics PA State Inspection Licensing Wheels & Electronic Balancing Vehicle Maintenance Fuel Systems Disc, Drum & Anti-lock Brakes Computer Wheel Alignment	PA State Safety Inspection Mechanic PA State Emissions Inspector certification Valvoline Certification  <b>Post-Secondary Options</b> CCAC Ohio Technical College Rosedale Technical College Universal Technical Institue University of Northwestern Ohio	Automotive Service Technician Automotive Body Repairer Automotive Glass Installer Parts Specialist Alternative Fuels Vehicle Tech Shop Foreman Service Manager Electronic Equipment Installers Tire Repairer and Changers Transportation Inspectors Detailer



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Automotive Technology**  
 Pennsylvania Department of Education CIP Code: 47.0604

COLLEGE/UNIVERSITY/ TECHNICAL SCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Community College of Allegheny County	9	ATE 103 (3), ATE 108 (1) ATE 106(1), ATE 130(3) ATE 401 (1)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Harrisburg Area Community College	9	AUTO 154 (3), AUTO 151(3) AUTO 101 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Delaware County Community College	10	AUT 100 (2), AUT 101 (4) AUT102 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Luzerne County Community College	9	AUT 103 (3), AUT 105 (3) AUT106 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Philadelphia	9	AT 121 (3), AT 150 (3) AT 111 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Thaddeus Stevens College of Technology	10	AUTO 111 (4), AUTO 116 (3) AUTO 156 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Allegany College of Maryland	12	AUTO 150 (2), AUTO 114 (2) AUTO 115 (2), AUTO 206 (2) AUTO 215 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Commonwealth Technical Institute	11	AT 102 (4), AT 101 (3) AT104 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Ohio Technical College	4	OTC Modules	Per local articulation agreement
Rosedale Technical College	9	AD100 (4.5), AD101 (4.5)	Per local articulation agreement
Universal Technical Institute	6	UTI Tech I, UTI Tech II	Per local articulation agreement
University of Northwestern Ohio	12	AU126 (6), AU 127 (6)	Per local articulation agreement
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Per local agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

2/2022

# BUILDING CONSTRUCTION TECHNOLOGY

**CIP Code:** 46.9999 **CIP Code Name:** Construction Trades, other

**Instructor:** Jim Cristillo **Email:** jamesc@forbesroad.com **Phone:** 412-373-8100 ext 264

Building Construction Technology students gain technical knowledge as well as practical hands-on training in the trade which includes carpentry, plumbing, electrical, masonry, and blueprint reading.

Individuals learn to apply technical knowledge and skills in the maintenance and repair of residential and commercial buildings

Courses of Study	Industry Credentials	Career Paths
Statewide Building Codes Blueprint Reading Framing of Wall & Roof Systems Installation of Windows & Doors Installation on Cabinetry Installation on Trim Finishes Fiberglass Installation Asphalt Shingles Installation Finishing Techniques Residential Electrical Systems Block & Brick Laying Masonry Plumbing	OSHA10 Construction American Ladder Institute Pittsburgh Builder's Association Certification  <b>Post-Secondary Options</b> CCAC Triangle Tech Penn Tech	Framing Carpenters Construction Laborers Drywall Hangers/Finishers Electrician Assistant Insulation Installers Roofers Plumber/Plumbers Assistant Siding Installers Finish Carpenter Cabinet Maker Bricklayer Building Inspector



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



**ARTICULATION AGREEMENTS**  
**Forbes Road Career & Technology Center**

**Program: Building Construction**  
 Pennsylvania Department of Education CIP Code: 46.9999

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Triangle Tech	11.5	CP119 (4.5), CP113 (2), CP123 (2), CP234 (3)	Per local articulation agreement
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Per local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

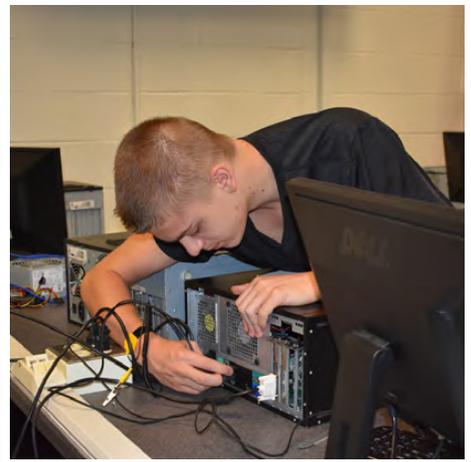
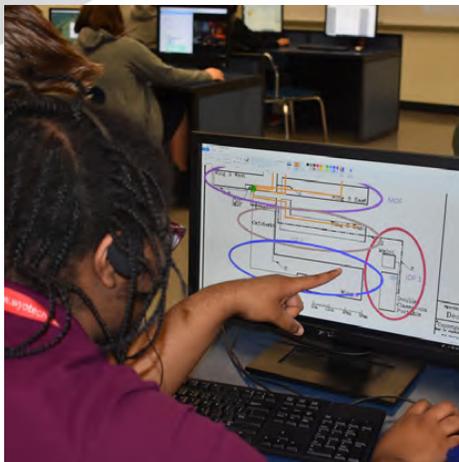
# COMPUTER NETWORKING & SECURITY

**CIP Code:** 11.0901 **CIP Code Name:** Computer Systems Networking & Telecommunications

**Instructor:** George Karnbauer **Email:** georgek@forbesroad.com **Phone:** 412-373-8100 ext 250

This exciting technical course prepares students to design, maintain and secure today's Information Technology (IT) systems that support every aspect of our global economy. Network Security Specialists acting as Ethical Hackers prevent data loss from cyber-attacks, network intrusions, and viruses, protecting valuable personal and corporate data. Students will use the latest tools to gain the practical experience needed to earn valuable professional certifications.

Courses of Study	Industry Credentials	Career Paths
Computer Hardware Troubleshoot, Repair, & Maintenance	A+ Network+ CISCO	Computer Security Specialist Ethical Hacker
Operating Systems & Software Network Technologies	Testout Pro Security+	Network Administrator Information Tech Specialist
Network Media & Topologies Operating Systems & Software Cisco Networking Academy	OSHA 10 Safety	Network Technician
Networking Security Cyber Safety Network Cabling Wireless Networking	<b>Post-Secondary Options</b> CCAC Pittsburgh Technical College Westmoreland CCC Penn State Pennsylvania College of Technology	



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

#### Program: Computer Networking & Security

Pennsylvania Department of Education CIP Code: 11.0901

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Pittsburgh Technical College	9	ITA104 (4), ITA126 (5)	Per local articulation agreement
Harrisburg Community College - Harrisburg	16	CIS127 (3), CNT140 (3), ELE 126 (4), ELE 125 (3), CNT120, (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Harrisburg Community College - Harrisburg	13	CNT140 (3), ELE 126 (4), ELE 125 (3), CNT120, (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Mount Aloysius	9	CSIT223 (3), CSIT225 (3), CSIT226 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Allegheny County	9	CIT120 (3), CIT150 (3), CIT250 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Reading Area Community College	12	IFT100 (3), IFT110 (3), NET100 (3), WEB100 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Reading Area Community College	9	IFT100 (3), NET100 (3), WEB100 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Westmoreland County Community College	9	CPT145 (3), CPT183 (3), CPT181 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Delaware County Community College	9	DPR227 (3), DPR228 (3), NET110 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Luzerne County Community College	10	CST225 (4), CST103 (3), CST230 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Philadelphia	11	CIS103 (3), CIS 105 (4), CIS150 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Philadelphia	7	CIS103 (3) CIS150 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Pittsburgh Technical College	13	ITA104 (4), ITA126 (5), ITA251	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Thaddeus Stevens College of Technology	9	CNSA111 (3), CNSA117 (3), CNSA 107 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Allegany College of Maryland	13	COMP180 (3), COMP188 (1), COMP 219 (3), COMP225 (3) COMP239 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credits toward Associates in Applied Technology	Per local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

2/2022

# COSMETOLOGY

**CIP Code:** 12.0401 **CIP Code Name:** Cosmetology/Cosmetologist, General

**Instructor:** Ryan Marie Herman **Email:** ryanh@forbesroad.com **Phone:** 412-373-8100 ext 288

**Instructor:** Erica Shuglie **Email:** ericas@forbesroad.com **Phone:** 412-373-8100 ext 225

This program builds skills for a variety of careers within the cosmetology industry. The course includes skills in hair, skin, and nail care as well as salon procedures.

Upon completion of the required hours, students will be eligible to take the PA State Board exam.

Courses of Study	Industry Credentials	Career Paths
Cosmetology Science Thermal/Non-Thermal Styling Nail Technology Facial Treatments Chemical Texturizing Hair Shaping & Hair Coloring State Board Preparation Salon Management Bacteriology, Disinfection, Sanitation Pennsylvania Cosmetology Law Cosmetic Dermatology Temporary Hair Removal	PA Cosmetology License PA Nail Technician License  <b>Post-Secondary Options</b> Bella Capelli Empire Beauty School Douglas Education Center South Hills Beauty Academy/North Hills Beauty Academy	Cosmetologist Hairstylist Nail Technician Massage Therapist Salon Owner/Manager Platform Artist Sales Esthetician Licensed Teacher



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Cosmetology**  
 Pennsylvania Department of Education CIP Code: 12.0401

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Empire Beauty School	Advanced standing	Advanced standing	Per local articulation agreement
Douglas Education Center	14 credits – 1 <sup>st</sup> Semester 14 credits – 2 <sup>nd</sup> Semester	CO101 (7), CO102(1), CO103 (1) CO104 (3) CO105 (2) CO106 (2), CO107 (1), CO109 (7)	Per local articulation agreement
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Per local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

# CULINARY ARTS

**CIP Code:** 12.0508 **CIP Code Name:** Institutional Food Workers

**Instructor:** Christine Miranda **Email:** christinem@forbesroad.com **Phone:** 412-373-8100 ext 258

**Instructor:** Bethany Hopkins **Email:** bethanyh@forbesroad.com **Phone:** 412-373-8100 ext 204

The Culinary Arts course offers instruction in the commercial restaurant industry including gourmet and fine dining, customer service, menu planning, cost control, sanitation, and hygiene.

The curriculum encompasses the complete food cycle including nutrition, ordering processes, menu design, and presentation skills.

Courses of Study	Industry Credentials	Career Paths
Sanitation Kitchen Safety & Equipment Salads & Dressing Vegetables & Fruit Potatoes & Other Starches Breakfast/Sandwich Prep Stock, Soups, Sauces Meat, Poultry, Fish, Shellfish Baking Menu Planning & Ordering	ServSafe National Restaurant Association Certification AHA First Aid  <b>Post-Secondary Options</b> Pittsburgh Technical College CCAC IUP-Culinary Arts	Prep Cook Chef Baker's Assistant Line Cook Dietary Assistant Food Service Supervisor Cafeteria/Institutional Cook Caterers



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Culinary Arts**  
 Pennsylvania Department of Education CIP Code: 12.0508

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Pittsburgh Technical College	9	CUL113 (2), CUL 114 (2), CUL115 (1), CUL145 (4)	Per local articulation agreement
Sullivan University	10	BSF106, BSF1-04	Per local articulation agreement
Lincoln Culinary Institute	4.5	CUL140S (4.5)	Per local articulation agreement
Pittsburgh Technical College	9	CUL113 (2), CUL 114 (2), CUL115 (1), CUL145 (4)	Per POS statewide articulation agreement (collegetransfer.net)
Community College of Beaver County	9	Credits towards Associate in Applied Technology	Per local articulation agreement
Community College of Allegheny County	12	CLR100 (3), CLR117 (3), CLR201 (3), CLR202 (3)	Per local articulation agreement

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***Articulations are subject to change.***

# DIESEL TECHNOLOGY

**CIP Code:** 47.0613 **CIP Code Name:** Medium/Heavy Vehicle & Truck Technology/Technicians

**Instructor:** Dominic DeLuca **Email:** dominicd@forbesroad.com **Phone:** 412-373-8100 ext 290

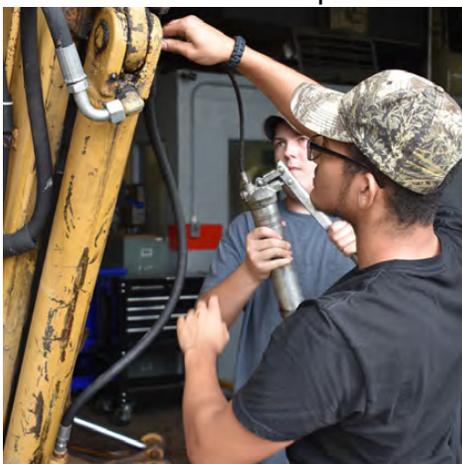
Diesel technology is part of virtually every aspect of today's transportation, construction, and manufacturing industries. Oil rigs, power plants, hydraulic systems, cargo ships, locomotives, construction vehicles, farming equipment, mining equipment and diesel trucks – most of these vehicles are powered by diesel engines. Students are trained in the repair and servicing of diesel-powered equipment. Emphasis is placed on the needs of local business and industry.

Skills are enhanced by "hands-on" work involving actual maintenance of school owned vehicles and equipment. While the emphasis is on diesel engines, gasoline powered equipment and vehicles are also included as part of the program.

Courses of Study	Industry Credentials	Career Paths
Orientation & Safety	OSHA 10	Bus/Truck/Fleet Technician
Tools & Fasteners/Hardware	PA State Inspection/Emissions	Farm & Heavy Equipment Technicians
Suspension & Steering Systems	SP2 Training	Recreational Vehicle Technicians
Preventative Maintenance	NSC Forklift Certification	Tire Repairers & Changers
Air Brake Systems	Mack/Volvo Truck Academy	Transportation Inspectors
Diesel Engines	EPA 609 Refrigerant/Recovery Engine Equipment Training Council	Mining, Ag & Marine Technicians
Air Intake & Exhaust Systems		Heavy Equipment Operator
Cooling & Lube Systems		CDL Truck Driver
Fuel Injection System		Industry Trainers
Electrical/Electronic System		Truck Dealership
Drive Line		
Welding Basics		

### Post-Secondary Options

CCAC  
 University of Northwestern Ohio  
 Universal Technical Institute  
 Rosedale Technical College



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Diesel Technology**  
 Pennsylvania Department of Education CIP Code: 47.0613

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Rosedale Technical College	9.5	DD101 (4.5), DD104 (5)	Per local articulation agreement
Ohio Technical College	4	OTC Modules	Per local articulation agreement
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Per local articulation agreement

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***Articulations are subject to change.***

# EARLY CHILDHOOD EDUCATION

**CIP Code:** 19.0708 **CIP Code Name:** Childcare & Support Service Management

**Instructor:** Cherie O'Neal **Email:** cherieo@forbesroad.com **Phone:** 412-373-8100 ext 285

Early Childcare Education encompasses all phases of early childhood development including physical, social, emotional, and intellectual. The curriculum also includes nutrition, guidance, discipline, the value of play, and the science of child development.

Participants receive practical experience at local daycares in the community.

Students study all the phases of child development.

They study how to help the child develop daily living skills and about the value of play, literature, music, art, math, and science in child development.

## Courses of Study

Orientation & Safety  
 Professionalism  
 Health & Safety Procedures  
 Learning Environment (Physical space)  
 Child Development (social, emotional, physical, intellectual, language)  
 Classroom Management & Positive Guidance  
 Standards, Curriculum, & Assessment  
 Learning Activities/Experiences

## Industry Credentials

First Aid  
 Child/Infant CPR  
 CDA - Ready Certifications  
 Mandated Reporter Training

## Career Paths

Child Care Aide  
 Assistant Group Supervisor  
 Teacher Aide  
 Nanny  
 Recreation Leader  
 Elementary Teacher

## Post-Secondary Options

CCAC  
 Mount Aloysius College  
 Chatham University  
 Edinboro University  
 University of Pittsburgh



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Early Childhood Education**  
 Pennsylvania Department of Education CIP Code: 19.0708

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Community College of Allegheny County	6	ECD107 (3), ECD104 (3)	Per POS Statewide articulation agreement
Harrisburg Area Community College	12	EDUC131 (3), EDU135(3), EDUC140 (3), EDU185(3)	Per POS Statewide articulation agreement
Harrisburg Area Community College	9	EDU135(3), EDU140(3) EDU185 (3)	Per POS Statewide articulation agreement
Mount Aloysius College	9	ICT101(3), EDU199(3), EDU213(3), EDU290(3)	Per POS Statewide articulation agreement
Reading Area Community College	9	ECE140(3), ECE115(3), ECE105(3)	Per POS Statewide articulation agreement
Reading Area Community College	6	ECE140(3), ECE115(3)	Per POS Statewide articulation agreement
Luzerne County Community College	7	ECE205(3), ECE101(3) HPE165(1)	Per POS Statewide articulation agreement
Community College of Philadelphia	9	ED135(3), ED151(3), ED230(3)	Per POS Statewide articulation agreement
Harcum College	9	EDU120(3), EDU227(3), EDU212(3)	Per POS Statewide articulation agreement
Lackawanna College	9	EDU110(3), EDU130(3), EDU212(3)	Per POS Statewide articulation agreement
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Per local articulation agreement
Community College of Allegheny County	6	ECD104 (3), ECD107 (3)	Per local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

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2/2022

# ELECTRICAL TECHNOLOGY

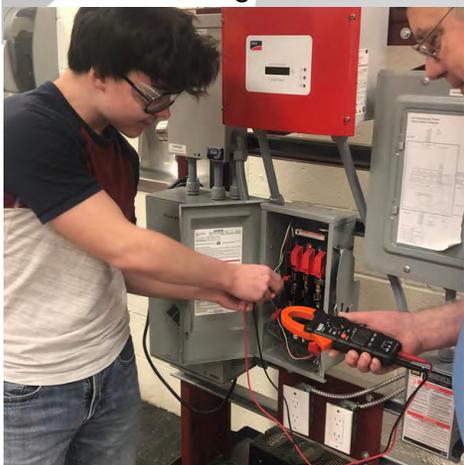
**CIP Code:** 46.0399 **CIP Code Name:** Electrical & Power Transmission Installers, Other

**Instructor:** Norm Bova **Email:** normanb@forbesroad.com **Phone:** 412-373-8100 ext 295

Electrical Technology prepares students for entry-level electrical and electronics careers. The technical applications include green technology instruction within our state-of-the-art electrical laboratory.

Computerized training equipment is utilized to prepare the students for careers in the “high-tech” electrical field.

Courses of Study	Industry Credentials	Career Paths
Safety Tools & Test Equipment Fundamentals of Electricity Residential & Commercial Wiring Electronic Components & Circuits Motor Control Electronic Control and Devices Programmable Controllers Transformers Estimating & Project Management	OSHA 10 Construction Residential Construction Academy Certification -House Wiring -Electrical Principles Pittsburgh Builder's Association Certification American Ladder Institute	Construction Electrician Electrical Estimator Project Management Security Installers Fire Alarm Systems Installers Green Technology Technician
		<b>Post-Secondary Options</b> Rosedale Technical College Triangle Tech Pittsburgh Technical College Pittsburgh Institute of Aeronautics CCAC



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Electrical Technology**  
 Pennsylvania Department of Education CIP Code: 46.0399

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Rosedale Technical College	8	ED103 (2.5), ED105 (2.5), ED206 (3)	Per local articulation agreement
Harrisburg Area Community College- Harrisburg	8	ELOC 172, (2) ELOC157 (4), ELOC153 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Orleans Technical Institute	.5	RC101 (.5)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credits toward Associate in Applied Technology	Per local articulation agreement

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***Articulations are subject to change.***

# EMERGENCY RESPONSE SERVICES

CIP Code: 43.9999

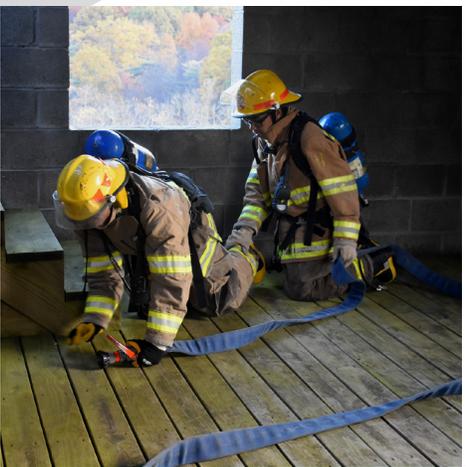
CIP Code Name: Homeland Security, Law Enforcement, Firefighting & Related Protective Services  
 Instructor: Lee Silnutzer Email: lees@forbesroad.com Phone: 412-373-8100 ext 193

Emergency Response Services program is for students interested in pursuing a career, volunteer service, or additional post-secondary education in emergency medical service, law enforcement, security, industrial safety, fire, or emergency management services.

ERS will challenge students with technical knowledge, as well as, hands-on training in a fully equipped on-site lab which includes a fire tower and a fire truck.

Courses of Study	Industry Credentials	Career Paths
Safety	PA State/National Registry	Law Enforcement
Criminal Justice system	EMT Certification	Corrections Officer
Law Enforcement	PA/National Registry	Private Security
Private Security Management	Emergency Medical Responder Certification	EMT
Corrections - Adult & Juvenile	AHA Basic Life Support/ First Aid (CPR/AED)	Firefighter
Homeland Security	Stop The Bleed Certification	Fire Arson Investigator
Communications	HAZMAT Awareness	
Incident Command System	NIMS 100, 200, 700, & 800	
Patrol Duties	Fire Extinguisher Training	
Firefighting		
Emergency Medical Services		
Hazardous Materials Awareness		

**Post-Secondary Options**  
 Pittsburgh Technical College  
 CCAC  
 Indiana University of PA  
 Center for Emergency Medicine  
 (University of Pittsburgh)



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



**ARTICULATION AGREEMENTS**  
**Forbes Road Career & Technology Center**

**Program: Emergency Response Services**  
 Pennsylvania Department of Education CIP Code: 43.9999

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Pittsburgh Technical College	8	BUS111 (4), SSA110 (4)	Per local articulation agreement
Pittsburgh Technical College	12	SSA 100 (4), SSA 120 (4) SSA 110 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credit toward Associate of Applied Technology	Per local articulation agreement
Community College of Allegheny County	6	HLS 101 (3), FSA 102 (3)	Per local articulation agreement
Community College of Allegheny County	6	CJC 102 (3), CJC 206 (3)	Per local articulation agreement

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*Articulations are subject to change.*

# HEALTH SCIENCE TECHNOLOGY

**CIP Code:** 51.0899 **CIP Code Name:** Health/Medical Assisting Services Other

**Instructor:** Patrice Cormier **Email:** particec@forbesroad.com **Phone:** 412-373-8100 ext 194

**Instructor:** Darren Stenger **Email:** darrens@forbesroad.com **Phone:** 412-373-8100 ext 292

With today's fast-growing medical profession, now is a great time to consider a career in health. This program will assist in getting a jump start in a financially rewarding health career, and give you an edge in your post-secondary health field studies. Health Science provides students with the hands-on training necessary to offer care to patients while working alongside other qualified health care professionals. Students explore multiple content areas including basic nursing skills, anatomy & physiology, and medical terminology. Many Forbes Road students continue their education and pursue careers in Medical Assisting, Nursing, Radiology, Physical Therapy, Occupational Therapy, and various Medical Office areas.

## Courses of Study

Basic Nursing Skills  
 Emergency Care  
 CPR and First Aid  
 Infection Control  
 Anatomy & Physiology  
 Medical Terminology  
 Nursing Assistant  
 Home Health Assistant  
 Medical Office Assistant

## Industry Credentials

AHA CPR/AED  
 AHA First Aid  
 Direct Care Staff Worker  
 Certification  
 Bloodborne Pathogens  
 OSHA 10 Healthcare

## Post-Secondary Options

Pittsburgh Technical College  
 CCAC  
 Institute of Medical Careers  
 West Penn School of Nursing  
 Shadyside School of Nursing  
 United Career Institute

## Career Paths

Nurse Assistant  
 Home Health Assistant  
 LPN/RN  
 Occupational Therapy Asst  
 Pharmacy Tech  
 Physical Therapy Assistant  
 Respiratory Therapist  
 Surgical & X-Ray Technician



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

#### Program: Health Science Technology

Pennsylvania Department of Education CIP Code: 51.0899

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Pittsburgh Technical College	4	MED111	Per local articulation agreement
Institute of Medical Careers	8	ANP100, MDT100	Per local articulation agreement
Harrisburg Area Community College- Harrisburg	6	MA150 (3), MA110 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Lackawanna College	1	HTH100 (1)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Pennsylvania Institute of Technology	21	CMA109 (3), CMA215 (3), CMA115 (3), CMA120 (3), CMA108 (3), CMA207 (3), CMA209 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Greater Altoona Career and Technology Center	6	MED115 (1), MED 116 (1), MED101 (1), MED102 (1), MED 103 (1) MED104 (1)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Greater Altoona Career and Technology Center	3	FON002 (1) FON001 (2)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Commonwealth Technical Institute	12	BE15 (3), BE13 (3), BE23 (2), BE20 (4)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Lancaster County Career and Technology Center	2	NPP (2)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Western Area Career and Technology Center	4	NSG102 (2), NSG103 (1)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Greater Johnstown Career and Technology Center	3	FUN1 (2), FUN2 (1)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Crawford County Career and Technical Center Practical Nursing Program	3	NUR101 (2), NUR102 (1)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credit toward Associate in Applied Technology	Per local articulation agreement

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**Articulations are subject to change**

2/2022

# HEATING, VENTILATION & AC

CIP Code: 47.0201

CIP Code Name: Heating, Ventilation, Air Conditioning and Refrigeration

Instructor: Kendall Griffith Email: kendallg@forbesroad.com Phone: 412-373-8100 ext 278

The Heating, Ventilating, and Air-Conditioning program trains students to enter the job market with the necessary skills to become qualified technicians and mechanics. Students learn heating, ventilating and air-conditioning installation and service including the service of electrical wiring, refrigeration systems and sheet metal ductwork fabrication.

This program will prepare individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating and air conditioning systems.

Courses of Study	Industry Credentials	Career Paths
Intro to HVAC Basic Safety Tools for HVAC/R Blueprint Reading Piping Practices Basic Electricity Intro to Cooling/Heating Air Distribution Systems Intro to Hydronic Systems Leak Detection, Evacuation, Recovery & Charging Troubleshoot Heating/Cooling Heat Pumps	OSHA 10 Construction Type I, II, III & Universal Refrigerant R410A Safety & Training Certification HVAC Excellence Technical Certifications Pittsburgh Builder's Association Certification	HVAC Installation Technician Pipefitter Steamfitter Service Technician Service Manager Sheet Metal Worker
		<b>Post-Secondary Options</b> Pittsburgh Technical College CCAC Rosedale Technical College University of Northwestern Ohio Westmoreland CCC



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Heating, Ventilation and Air Conditioning**  
 Pennsylvania Department of Education CIP Code: 47.0201

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Pittsburgh Technical College	11	HVA108 (5), HVA133 (6)	Per local articulation agreement
Rosedale Technical College	9	H101 (4.5), H104 (2.5), R104 (2.5)	Per local articulation agreement
Community College of Allegheny County	10	HAC201(5), HAC202 (5)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Westmoreland County Community College	10	HAC101(4), HAC250 (4), HAC170 (2)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Delaware County Community College	9	HVA101 (2), HVA106 (2), HVA104 (3), HVA100 (2)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Pittsburgh Technical College	11	HVA108 (5), HVA133 (6)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Thaddeus Stevens College of Technology	10	HVAC126 (1), HVAC 130 (1), HVAC122 (1.50), HVAC150 (3), HVAC146 (2), HVAC 142 (1.50)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Orleans Technical Institute	1	ACRH601 (.50), ACRH (.50)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
University of Northwestern Ohio	6	HV110 (6)	Per local agreement
Community College of Beaver County	9	Credit toward Associate of Applied Technology	Per local agreement

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***Articulations are subject to change.***

# LANDSCAPE DESIGN

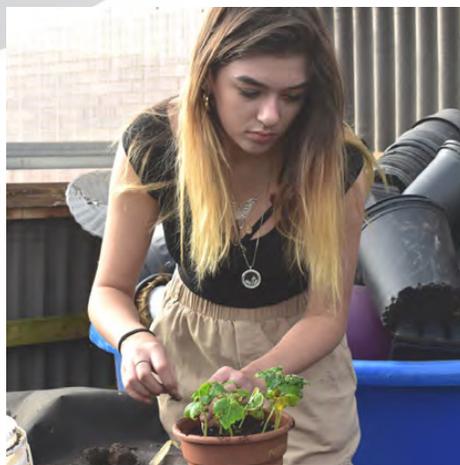
**CIP Code:** 01.0601 **CIP Code Name:** Applied Horticulture/Horticulture Operations, General  
**Instructor:** Dan Overdorff **Email:** dano@forbesroad.com **Phone:** 412-373-8100 ext 293

Landscape Design prepares students to be employees of nurseries, greenhouses, florists, or landscape businesses.

The curriculum includes the history and theory of landscape and floral design, horticultural knowledge and plant vocabulary, turf management, landscape design, safety, pest and disease management, and irrigation.

Students obtain practical skills on our 42 acre campus and in the greenhouse.

Courses of Study	Industry Credentials	Career Paths
Landscaper Landscape Designer Turfgrass Technician Groundskeeper Florist Greenhouse Manager Nursery Manager Entrepreneur Landscape Supply Equipment Operator	OSHA 10 Hour - Agriculture PA Pesticides License ICPI (Interlocking Concrete Paver Institute) NCMA (National Concrete/Masonry Association) Versa-Lok Basic Training PLNA Certification	Landscaper/Groundskeeper Landscape Designer Turfgrass Technician Florist Greenhouse Manager Nursery Manager Landscape Supply
		<b>Post-Secondary Options</b> Penn Technical College CCAC Penn State University



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

**Program: Landscape Design**  
Pennsylvania Department of Education CIP Code: 01.0601

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Community College of Beaver County	9	Credit toward Associate of Applied Technology	Per local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

***Articulations are subject to change.***

# LOGISTICS & SUPPLY CHAIN MANAGEMENT

**CIP Code:** 52.0203 **CIP Code Name:** Logistics, Materials, and Supply Chain Management

**Instructor:** Darrell Davis **Email:** darrelld@forbesroad.com **Phone:** 412-373-8100 ext 234

This program will actively engage students in the process of receiving, storing, shipping, controlling, and distribution of products. Students will use conveyors and material handling equipment to transport materials and inventory.

They will work in the Forbes Road Distribution Center using technology to scan and track products while shipping products nationwide. This program will expose students to careers related to the movement of materials and products throughout the supply chain.

Courses of Study	Industry Credentials	Career Paths
<ul style="list-style-type: none"> <li>Safety &amp; Ergonomics</li> <li>Inventory Management</li> <li>Procurement Operations</li> <li>Receiving Operations</li> <li>Storage &amp; Put-away Operations</li> <li>Order Fulfillment</li> <li>Packing Operations</li> <li>Shipping &amp; Transportation Operations</li> <li>Material Handling Equipment</li> <li>Industry Trends &amp; Technology</li> <li>Logistics &amp; Supply Chain Management</li> <li>Economics</li> </ul>	<ul style="list-style-type: none"> <li>OSHA 10 Hour General Industry</li> <li>NSC Forklift Certification</li> <li>Certified Logistic Associate</li> <li>Certified Logistic Technician</li> </ul>	<ul style="list-style-type: none"> <li>Transportation, Storage, &amp; Distribution Managers</li> <li>Industrial Production Manager</li> <li>Material Managers</li> <li>Purchasing Manager</li> <li>Cargo/Freight Agents</li> <li>Procurement Clerks</li> <li>Shipping &amp; Receiving Clerks</li> <li>Customer Service Agents</li> <li>Delivery/Courier Service</li> <li>Forklift Operators</li> <li>Hand laborers</li> </ul>
<b>Post-Secondary Options</b>		
<ul style="list-style-type: none"> <li>CCAC</li> <li>Penn State University</li> <li>Westmoreland CCC</li> </ul>		



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



**ARTICULATION AGREEMENTS**  
**Forbes Road Career & Technology Center**

**Program: Logistics, Supply Chain Management**  
Pennsylvania Department of Education CIP Code: 52.0203

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Community College of Beaver County	9	Credit toward Associate in Applied Technology	Per local articulation agreement

*List is a sampling of articulated credits. Visit [www.collegetransfer.net](http://www.collegetransfer.net) and your counselor for the latest updates and details. College entrance requirements and articulation conditions must be met. Statewide articulation requires students to achieve a 2.5 grade point average, receive a competent or advanced on the NOCTI and achieve competent on ALL statewide program competencies.*

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# MULTI MEDIA DESIGN

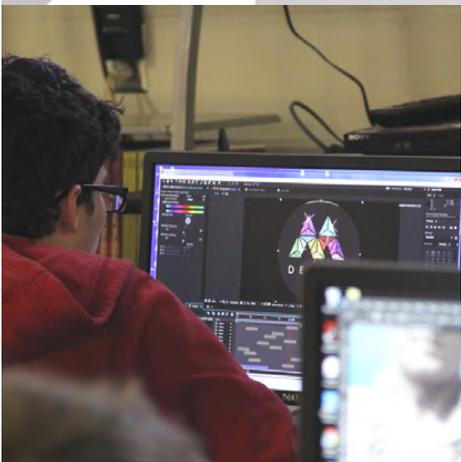
CIP Code: 11.0801

**CIP Code Name:** Web Page, Digital/Multimedia & Information Resources Design

**Instructor:** Philip Greene **Email:** philipg@forbesroad.com **Phone:** 412-373-8100 ext 268

This program gives students the freedom to be creative, imaginative, and inspired artistically to develop multi-disciplined digital media for entertainment, industrial and commercial use. Students will learn to use computers in conjunction with digital/video cameras, projectors, and 3D, as well as digital printers, to develop and produce digital and print media. The course content consists of students learning how to use state-of-the-art Adobe Creative Suite and Blender 3D software to create and manipulate graphics, animations, photographs, videos, presentations, podcasts, websites, and 3D models. Both the personal and the Apple computer platforms are available within the classroom for instruction.

Courses of Study	Industry Credentials	Career Paths
Visual Communication Skills	Web Designer	Multimedia Artist
Print Publishing	WOW Certified Apprentice	Animator
Web Design	Webmaster	Web Designer
Color Theory	Microsoft Office Certified Web Developer Apprentice	Photographer
Animation	Adobe Software Certifications	Videographer
Digital Photography		Visual Designer
Videography		Interactive Designer
Advanced Software Training		
3D Model Developer		
	Post-Secondary Options	
	CCAC	
	Pittsburgh Technical College	
	Westmoreland CCC	



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



## ARTICULATION AGREEMENTS

### Forbes Road Career & Technology Center

#### Program: Multimedia Design

Pennsylvania Department of Education CIP Code: 11.0801

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Pittsburgh Technical College	3	MMA115	Per local articulation agreement
Community College of Allegheny County	9	CIT125 (3), MMC 111 (3), MMC112 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Harrisburg Area Community College	9	WEB130 (3), WEB110 (3), WEB101 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Reading Area Community College	12	IFT100 (3), IFT110 (3), WEB100 (3), PRG100 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Westmoreland County Community College	9	WEB140 (3), WEB110 (3), GCT125 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Delaware County Community College	9	IMM110 (3), IMM120 (3), DPR100 (3)	Per POS statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credit toward Associate in Applied Technology	Per local articulation agreement
Community College of Allegheny County	9	CIT125 (3), MMC111(3), MMC112 (3)	Per local articulation agreement

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# VETERINARY SCIENCES

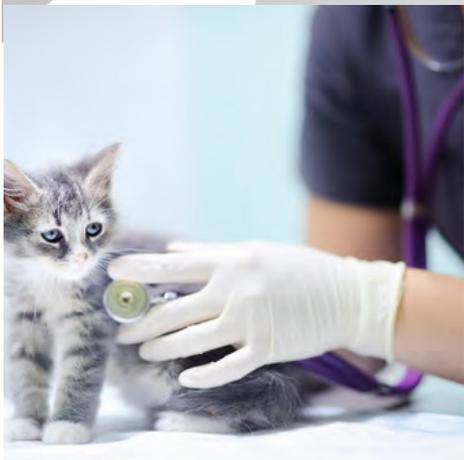
CIP Code: 01.8301

**CIP Code Name:** Veterinary/Animal Health Technology/Technician and Veterinary Assistant  
**Instructor:** Melanie Longo **Email:** melaniel@forbesroad.com **Phone:** 412-373-8100 ext 203

Veterinary Sciences prepares students to assist veterinarians and veterinary technicians during animal examinations and provide treatment and monitoring.

Students will learn about maintaining medical and business records, charting and scheduling activities, and a wide range of practice-related duties as applied to animal health care, the biomedical field, and the pet industry.

Courses of Study	Industry Credentials	Career Paths
Orientation & Safety Office & Hospital Procedures Communication & Client Relations Pharmacy & Pharmacology Examination Room Procedures Small Animal Nursing Surgical Prep & Assisting Laboratory Procedures Radiology & Ultrasound Imaging	OSHA 10 Health Pet Tech First Aid  <b>Post-Secondary Options</b> Vet Tech Institute of Pittsburgh Penn Foster Pittsburgh Career Institute	Animal Trainer Non-Farm & Laboratory Animal Caretaker Groomer Animal Control Officer Veterinary Assistant Veterinary Technician Veterinarian



All programs of study have 3 career paths: Direct Employment...Post-Secondary Education/Training...Military



**ARTICULATION AGREEMENTS**  
**Forbes Road Career & Technology Center**

**Program: Veterinary Sciences**  
 Pennsylvania Department of Education CIP Code: 01.8301

COLLEGE/UNIVERSITY/ TECHNICALSCHOOL	MAXIMUM NUMBER OF CREDITS	ARTICULATED COURSES	REQUIREMENTS
Manor College	1	VT112 (1)	Per POS Statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Harcum College	3	VET102 (3)	Per POS Statewide articulation agreement ( <a href="http://www.collegetransfer.net">www.collegetransfer.net</a> )
Community College of Beaver County	9	Credit toward Associate in Applied Technology	Per local articulation agreement

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