

PREPARING FOR THE FUTURE

A Regional Workforce Development Initiative

A Report of the Greater Baltimore Committee

APPENDICES

APPENDIX I Building and Construction Offerings in the Greater Baltimore Area

CTE Programs

Local School System	Program of Study
Anne Arundel Community College	Construction Design and Management Construction Maintenance Professions – HVAC Construction Maintenance Professions – Welding Construction Trades Professions – Carpentry Construction Trades Professions – Electrical Construction Trades Professions – Masonry Construction Trades Professions – Plumbing Local Construction Maintenance – Building/Property Maintenance
Baltimore City	Construction Design and Management Construction Trades Professions – Carpentry Construction Trades Professions – Electrical Construction Trades Professions – Masonry
Baltimore County	Construction Maintenance Professions – HVAC Construction Management Construction Trades Professions – Carpentry Construction Trades Professions – Electrical Construction Trades Professions – Plumbing
Carroll	Construction Maintenance Professions – HVAC Construction Maintenance Professions – Welding Construction Trades Professions – Carpentry Construction Trades Professions – Electrical Construction Trades Professions – Masonry Local Construction Maintenance – Building/Property Maintenance
Harford	Local Construction Maintenance – HVAC Local Construction Maintenance – Welding Local Construction Trades – Carpentry Local Construction Trades – Electrical Local Construction Trades – Masonary
Howard	Construction Design and Management Construction Trades, Other

Community College Programs

Local School System	Type of Award	Name
Anne Arundel Community College	Associate	Construction Management
	Lower Division Certificate	Construction Management
		Construction Management Entrepreneurship
	Workforce Training Certificate (noncredit)/Industry Prep	Commercial Drivers License Class A
		Commercial Drivers License Class B
		HVACR Entry Level Technician
		HVACR Level 1
		Stationary Engineer
		Welding for Work: MIG
Welding for Work: STICK		
Welding for Work: TIG		
Baltimore City Community College	Associate	Construction Supervision
	Lower Division Certificate	Construction Supervision

Community College Programs (continued)

Local School System	Type of Award	Name			
Carroll Community College	Associate	Digital Fabrication and Design			
	Lower Division Certificate	Digital Fabrication and Design SOLIDWORKS			
	Workforce Training Certificate (noncredit)/Industry Prep	HVAC Technician			
		HVAC Apprentice			
		Electrical Apprentice			
		Home Improvement Contractor: MHIP Exam Prep			
		Home Inspector			
Truck Driver					
Welder/Advanced Welding					
Community College of Baltimore County	Associate	Construction Management Construction Craft Professional HVAC & Energy Technology			
	Lower Division Certificate	Construction Management Introduction To Construction Method Legal Aspects Of Construction Construction Project Controls Construction Craft Professional Basic HVAC & Energy Technology Advanced HVAC & Energy Technology			
		Workforce Training Certificate (noncredit)/Industry Prep	Certified Apartment Maintenance Technician (CAMT) CNC Machine Tool Computer Aided Design (CAD) Construction Pre-Apprenticeship Core Curriculum & Specialties Training Fab Lab Design and Fabrication for Smart Manufacturing Fab Lab Technology (Design and Make) Facility Management Professional HVAC/Refrigeration Technician Mechatronics Robotics Technician Welding		
			Harford Community College	Associate	Computer Aided Design & Drafting
				Lower Division Certificate	Computer Aided Design & Drafting
				Workforce Training Certificate (noncredit)/Industry Prep	Forklift Heating, Ventilation and Air Conditioning Electrical Home Improvement Home Inspection Refrigerant Recovery Stationary Engineer OSHA Safety Welding Commercial Truck Driving (CDL)
	Howard Community College		Associate		Construction Management
		Lower Division Certificate	Construction Management		
		Workforce Training Certificate (noncredit)/Industry Prep	Construction Management Apprenticeship Heating, Ventilation, Air Conditioning & Refrigeration (HVACR) Apprenticeship		

Workforce Training Providers

Area	Provider	Description	
Anne Arundel County	Anne Arundel Community College	Commercial Driver's License Class A Parts I&II — 160 clock hours Commercial Driver's License Class B Parts I&II — 52 clock hours	
	Associated Builders and Contractors, Baltimore Metro Chapter	Carpenter Apprenticeship — 8,000 hours Electrical Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Pipefitter Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours	
	Baltimore Cement Masons JAC	Cement Mason Apprenticeship — 4,000 hours	
	Baltimore Electrical J.A.T.C. / I.B.E.W. Local Union No. 24	Electrician Apprenticeship — 8,000 hours Interior Electrician Apprenticeship — 8,000 hours Telecommunications Installer Tech Apprenticeship — 4,800 hours	
	Bauguess Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours	
	Capitol Sprinkler Contracting, Inc.	Sprinkler Fitter Apprenticeship — 8,000 hours	
	Cropp Metcalfe	HVAC/R Technician Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours	
	Electrical Apprenticeship Program of Carroll County, Maryland	Electrician Apprenticeship — 8,000 hours	
	Harford County Electrical Contractors Association Electrician Apprenticeship Program	Electrician Apprenticeship — 8,000 hours	
	HACC Heating & Air Conditioning Contractors of Maryland	HVAC Tech Apprenticeship — 8,000 hours	
	IEC Chesapeake Apprenticeship and Training	Electrician Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Telecommunications Tech Apprenticeship — 4,800 hours	
	Lywood Electric, Inc.	Electrician Apprenticeship — 8,000 hours	
	Mid-Atlantic Carpenters' Training Center — Baltimore	Carpenter Apprenticeship — 8,000 hours	
	Miller & Long Co, Inc.	Cement Mason Apprenticeship — 6,000 hours Operating Engineer Apprenticeship — 8,000 hours	
	Nickle Electrical Companies	Electrician Apprenticeship — 8,000 hours	
	Operating Engineers (JATC) Local 37	Operating Engineer Apprenticeship — 4,500 hours	
	Plumbers and Steamfitters Local Union No. 486 J.A.T.C.	Plumber Apprenticeship — 10,000 hours Steamfitter Apprenticeship — 10,000 hours	
	Steamfitters Local 602 JATC	Steamfitter Apprenticeship — 10,000 hours	
	UA Sprinkler Fitters Local 669 JATC	Sprinkler Fitter Apprenticeship — 10,000 hours	
	Washington, D.C., Joint Plumbing Apprenticeship Committee	Plumber Apprenticeship — 8,500 hours Plumber Apprenticeship — 10,000 hours	
	Westmoreland Electric, LLC	Electrician Apprenticeship — 8,000 hours	
	Transportation and Logistics Business Collaborative	A Road to Success Program CDL-A	
	Baltimore City	All-State Career School	Advanced Tractor Trailer Driving — 480 clock hours Class B CDL Driver Training Program — 42 clock hours
		Associated Builders and Contractors, Baltimore Metro Chapter	Carpenter Apprenticeship — 8,000 hours Electrical Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Pipefitter Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours
		Baltimore Cement Masons JAC	Cement Mason Apprenticeship — 4,000 hours
		Baltimore City Joint Apprenticeship Program	Maintenance Electrician Apprenticeship — 6,000 hours
		Baltimore Electrical J.A.T.C. / I.B.E.W. Local Union No. 24	Electrician Apprenticeship — 8,000 hours Interior Electrician Apprenticeship — 8,000 hours Telecommunications Installer Tech Apprenticeship — 4,800 hours
Bauguess Electrical Services, Inc.		Electrician Apprenticeship — 8,000 hours	
Capitol Sprinkler Contracting, Inc.		Sprinkler Fitter Apprenticeship — 8,000 hours	
Civic Works		Entry-Level Carpenter Certification HVAC Certification	
Electrical Apprenticeship Program of Carroll County, Maryland		Electrician Apprenticeship — 8,000 hours	

Workforce Training Providers (continued)

Area	Provider	Description
	Harford County Electrical Contractors Association Electrician Apprenticeship Program	Electrician Apprenticeship — 8,000 hours
	HACC Heating & Air Conditioning Contractors of Maryland	HVAC Tech Apprenticeship — 8,000 hours
	Goodwill Industries of the Chesapeake	Apprenticeship Preparation — Electrician Apprenticeship Preparation — Pipefitter Entry-Level Carpenter Certification Journeyman Carpenter Certification
	IEC Chesapeake Apprenticeship and Training	Electrician Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Telecommunications Tech Apprenticeship — 4,800 hours
	Job Opportunities Task Force	Pre-Apprenticeship Training — Electrician Pre-Apprenticeship Training — Pipefitter Entry-Level Carpenter Certification HVAC Certification Journeyman Carpenter Certification
	Mid-Atlantic Carpenters' Training Center — Baltimore	Carpenter Apprenticeship — 8,000 hours
	National Center on Institutions and Alternatives	HVAC Certification
	Operating Engineers (JATC) Local 37	Operating Engineer Apprenticeship — 4,500 hours
	Plumbers and Steamfitters Local Union No. 486 J.A.T.C.	Plumber Apprenticeship — 10,000 hours Steamfitter Apprenticeship — 10,000 hours
	Project JumpStart	Construction Training
	UA Sprinkler Fitters Local 669 JATC	Sprinkler Fitter Apprenticeship — 10,000 hours
	Urban Alliance	Entry-Level Carpenter Certification
	Westmoreland Electric, LLC	Electrician Apprenticeship — 8,000 hours
	Year Up	Construction Supervisor Certification
Baltimore County	American Life Safety Fire Protection Company	Pipe Fitter/Sprinkler Fitter Apprenticeship — 8,000 hours
	Associated Builders and Contractors, Baltimore Metro Chapter	Carpenter Apprenticeship — 8,000 hours Electrical Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Pipefitter Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours
	Association of Air Conditioning Professionals	HVACR Technician Apprenticeship — 8,000 hours
	Baltimore Cement Masons JAC	Cement Mason Apprenticeship — 4,000 hours
	Baltimore Electrical J.A.T.C. / I.B.E.W. Local Union No. 24	Electrician Apprenticeship — 8,000 hours Interior Electrician Apprenticeship — 8,000 hours Telecommunications Installer Tech Apprenticeship — 4,800 hours
	Bauguess Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours
	Capitol Sprinkler Contracting, Inc.	Sprinkler Fitter Apprenticeship — 8,000 hours
	Colt Insulation, Inc.	Insulation Worker Apprenticeship — 8,000 hours
	Community College of Baltimore County	Commercial Driver's License — A — 280 clock hours Construction Pre-Apprenticeship Carpentry Level I A&B — 150 clock hours Construction Pre-Apprenticeship Electrical Level I A&B — 114 clock hours Construction Pre-Apprenticeship Plumbing Level I A&B — 123 clock hours
	Cooper Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours
	Electrical Apprenticeship Program of Carroll County, Maryland	Electrician Apprenticeship — 8,000 hours
	Harford County Electrical Contractors Association Electrician Apprenticeship Program	Electrician Apprenticeship — 8,000 hours
	HACC Heating & Air Conditioning Contractors of Maryland	HVAC Tech Apprenticeship — 8,000 hours
	IEC Chesapeake Apprenticeship and Training	Electrician Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Telecommunications Tech Apprenticeship — 4,800 hours
	Lywood Electric, Inc.	Electrician Apprenticeship — 8,000 hours
	Mid-Atlantic Carpenters' Training Center — Baltimore	Carpenter Apprenticeship — 8,000 hours
	Operating Engineers (JATC) Local 37	Operating Engineer Apprenticeship — 4,500 hours

Workforce Training Providers (continued)

Area	Provider	Description
	Plumbers and Steamfitters Local Union No. 486 J.A.T.C.	Plumber Apprenticeship — 10,000 hours Steamfitter Apprenticeship — 10,000 hours
	UA Sprinkler Fitters Local 669 JATC	Sprinkler Fitter Apprenticeship — 10,000 hours
	Westmoreland Electric, LLC	Electrician Apprenticeship — 8,000 hours
Carroll County	American Life Safety Fire Protection Company	Pipe Fitter/Sprinkler Fitter Apprenticeship — 8,000 hours
	Associated Builders and Contractors, Baltimore Metro Chapter	Carpenter Apprenticeship — 8,000 hours Electrical Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Pipefitter Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours
	Associated Builders and Contractors, Cumberland Valley Chapter	Carpenter Apprenticeship — 8,000 hours Construction Craft Laborer Apprenticeship — 4,000 hours Electrician Apprenticeship — 8,000 hours HVAC/R Technician Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sheet Metal Worker Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours
	Baltimore Cement Masons JAC	Cement Mason Apprenticeship — 4,000 hours
	Bauguess Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours
	Capitol Sprinkler Contracting, Inc.	Sprinkler Fitter Apprenticeship — 8,000 hours
	Colt Insulation, Inc.	Insulation Worker Apprenticeship — 8,000 hours
	Electrical Apprenticeship Program of Carroll County, Maryland	Electrician Apprenticeship — 8,000 hours
	Harford County Electrical Contractors Association Electrician Apprenticeship Program	Electrician Apprenticeship — 8,000 hours
	HACC Heating & Air Conditioning Contractors of Maryland	HVAC Tech Apprenticeship — 8,000 hours
	IEC Chesapeake Apprenticeship and Training	Electrician Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Telecommunications Tech Apprenticeship — 4,800 hours
	Lywood Electric, Inc.	Electrician Apprenticeship — 8,000 hours
	Mid-Atlantic Carpenters' Training Center — Baltimore	Carpenter Apprenticeship — 8,000 hours
	Monacacy Valley Electric, Inc.	Electrician Apprenticeship — 8,000 hours
	Operating Engineers (JATC) Local 37	Operating Engineer Apprenticeship — 4,500 hours
	Plumbers and Steamfitters Local Union No. 486 J.A.T.C.	Plumber Apprenticeship — 10,000 hours Steamfitter Apprenticeship — 10,000 hours
	Swam Electric a Division of B.J. Baldwin Electric Inc.	Electrician Apprenticeship — 8,000 hours
	UA Sprinkler Fitters Local 669 JATC	Sprinkler Fitter Apprenticeship — 10,000 hours
	Westmoreland Electric, LLC	Electrician Apprenticeship — 8,000 hours
Harford County	Associated Builders and Contractors, Baltimore Metro Chapter	Carpenter Apprenticeship — 8,000 hours Electrical Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Pipefitter Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours
	Baltimore Cement Masons JAC	Cement Mason Apprenticeship — 4,000 hours
	Baltimore Electrical J.A.T.C. / I.B.E.W. Local Union No. 24	Electrician Apprenticeship — 8,000 hours Interior Electrician Apprenticeship — 8,000 hours Telecommunications Installer Tech Apprenticeship — 4,800 hours
	Bauguess Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours
	Capitol Sprinkler Contracting, Inc.	Sprinkler Fitter Apprenticeship — 8,000 hours
	Colt Insulation, Inc.	Insulation Worker Apprenticeship — 8,000 hours
	Cooper Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours
	Electrical Apprenticeship Program of Carroll County, Maryland	Electrician Apprenticeship — 8,000 hours
	Harford County Electrical Contractors Association Electrician Apprenticeship Program	Electrician Apprenticeship — 8,000 hours
	Harford County Maryland Joint Apprenticeship Committee	HVAC Technician Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Maintenance Electrician Apprenticeship — 8,000 hours

Workforce Training Providers (continued)

Area	Provider	Description
	HACC Heating & Air Conditioning Contractors of Maryland	HVAC Tech Apprenticeship — 8,000 hours
	Harford Community College	Truck Driver CDL — B — 160 clock hours
	IEC Chesapeake Apprenticeship and Training	Electrician Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Telecommunications Tech Apprenticeship — 4,800 hours
	Lywood Electric, Inc.	Electrician Apprenticeship — 8,000 hours
	McClane FoodService, Inc.	Heavy Truck Driver — 2000 clock hours
	Mid-Atlantic Carpenters' Training Center — Baltimore	Carpenter Apprenticeship — 8,000 hours
	Nickle Electrical Companies	Electrician Apprenticeship — 8,000 hours
	Operating Engineers (JATC) Local 37	Operating Engineer Apprenticeship — 4,500 hours
	Plumbers and Steamfitters Local Union No. 486 J.A.T.C.	Plumber Apprenticeship — 10,000 hours Steamfitter Apprenticeship — 10,000 hours
	Susquehanna Transportation and Logistics Strategic Industry Partnership (SIP) — led by Cecil College	Truck Driving — CDL-A and CDL-B EARN Program
	UA Sprinkler Fitters Local 669 JATC	Sprinkler Fitter Apprenticeship — 10,000 hours
	Westmoreland Electric, LLC	Electrician Apprenticeship — 8,000 hours
Howard County	American Life Safety Fire Protection Company	Pipe Fitter/Sprinkler Fitter Apprenticeship — 8,000 hours Carpenter Apprenticeship — 8,000 hours Electrical Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Pipefitter Apprenticeship — 8,000 hours Plumber Apprenticeship — 8,000 hours Sprinkler Fitter Apprenticeship — 8,000 hours
	Baltimore Cement Masons JAC	Cement Mason Apprenticeship — 4,000 hours
	Baltimore Electrical J.A.T.C. / I.B.E.W. Local Union No. 24	Electrician Apprenticeship — 8,000 hours Interior Electrician Apprenticeship — 8,000 hours Telecommunications Installer Tech Apprenticeship — 4,800 hours
	Bauguess Electrical Services, Inc.	Electrician Apprenticeship — 8,000 hours
	Capitol Sprinkler Contracting, Inc.	Sprinkler Fitter Apprenticeship — 8,000 hours
	Colt Insulation, Inc.	Insulation Worker Apprenticeship — 8,000 hours
	Cropp Metcalfe	HVAC/R Technician Apprenticeship — 8,000 hours
	Plumber Apprenticeship — 8,000 hours	Plumber Apprenticeship — 8,000 hours
	Electrical Apprenticeship Program of Carroll County, Maryland	Electrician Apprenticeship — 8,000 hours
	Harford County Electrical Contractors Association Electrician Apprenticeship Program	Electrician Apprenticeship — 8,000 hours
	Hawkins Electric Service, Inc Youth Apprenticeship / Howard County Public Schools	Electrician Assistant Youth Apprenticeship — 450 hours
	HACC Heating & Air Conditioning Contractors of Maryland	HVAC Tech Apprenticeship — 8,000 hours
	Howard Community College	Construction Project Manager Apprenticeship — 4,000 hours
	IEC Chesapeake Apprenticeship and Training	Electrician Apprenticeship — 8,000 hours HVAC Tech Apprenticeship — 8,000 hours Telecommunications Tech Apprenticeship — 4,800 hours
	Lywood Electric, Inc.	Electrician Apprenticeship — 8,000 hours
	Mid-Atlantic Carpenters' Training Center — Baltimore	Carpenter Apprenticeship — 8,000 hours
	Miller & Long Co, Inc.	Cement Mason Apprenticeship — 6,000 hours Operating Engineer Apprenticeship — 8,000 hours
	Minnick's, Inc Youth Apprenticeship/Howard County Public Schools	HVAC Youth Apprenticeship — 450 hours
	Operating Engineers (JATC) Local 37	Operating Engineer Apprenticeship — 4,500 hours
	Plumbers and Steamfitters Local Union No. 486 J.A.T.C.	Plumber Apprenticeship — 10,000 hours Steamfitter Apprenticeship — 10,000 hours
	Steamfitters Local 602 JATC	Steamfitter Apprenticeship — 10,000 hours
	Westmoreland Electric, LLC	Electrician Apprenticeship — 8,000 hours

APPENDIX II Business and Information Technology Offerings

■ CTE Programs

Program of Study	Local School System	Career Cluster
Business Management IT Networking Academy (CISCO) – CCENT	ANNE ARUNDEL	Business Management and Finance Human Resource Services Information Technology
Accounting and Finance Business Administrative Services Business Management Graphic Communications (PrintED) Interactive Media Production IT Networking Academy (CISCO) – CCENT	BALTIMORE CITY	Business Management and Finance Human Resource Services Information Technology Business Management and Finance Human Resource Services Information Technology
Business Administrative Services Business Management Computer Science Graphic Communications (PrintED) Information Technology IT Networking Academy (CISCO) – CCENT	BALTIMORE COUNTY	
Business Management Graphic Communications (PrintED) IT Networking Academy (CISCO) – CCENT Management Information Systems	CARROLL	Business Management and Finance Human Resource Services Information Technology
Business Management Graphic Communications (PrintED) IT Networking Academy (CISCO) – CCENT Management Information Systems	HARFORD	Business Management Graphic Communications (PrintED) IT Networking Academy (CISCO) - CCENT Management Information Systems Business Management and Finance Human Resource Services Information Technology
Business Computer Programming/Programmer Construction Design and Management Graphic Communications (PrintED) Interactive Media Production IT Networking Academy (CISCO) – CCENT	HOWARD	Business Management and Finance Human Resource Services Information Technology

Community College Programs

Local School System	Type of Award	Name
BUSINESS OFFERINGS		
Anne Arundel Community College	Associate	Business Management — Office Management Paralegal Studies — Business Paralegal Studies — Litigation Paralegal Studies — General Practice
	Lower Division Certificate	Business Management — Office Management Business Management — Database Administra Graphic Design Visual Arts Professional — Web Design Paralegal Studies — General Practice Paralegal Studies — Litigation Paralegal Studies — Business
	Workforce Training Certificate (noncredit)	Administrative Professional Essential Computer Skills for Today's Workforce Fundamentals of 21st Century Project Management
Baltimore City Community College	Associate	Office Administration
Carroll Community College	Lower Division Certificate	Office Technology Computer Graphics
	Associate	Computer Graphics
	Workforce Training Certificate	Media Production Specialist Digital and Social Media Professional
	Workforce Training Certificate (noncredit)	Truck Driver
Community College of Baltimore County	Lower Division Certificate	Digital Media Production
	Associate	Digital Media Production
	Lower Division Certificate	Graphic Design
	Continuing Education	Project Management
Harford Community College	Lower Division Certificate	Administrative Office Certificate Administrative Professions
Howard Community College	Non-Credit	Project Management Training
INFORMATION TECHNOLOGY		
Anne Arundel Community College	Associate	Computer Information Systems — Information Systems Technology Computer Network Management Computer Science Transfer — Computer Science Computer Science Transfer — Information Systems Computer Science: Internet & Mobile Device Software Database Management Systems — Database Administration Database Management Systems — Database Development Information Assurance and Cybersecurity — Digital Forensics Information Assurance and Cybersecurity — Networking Information Assurance and Cybersecurity — Security Internet Applications Development Mobile Device Application Development Visual Arts Professional — Web Design Visual Arts Transfer — Graphic and Web Design

Community College Programs (continued)

Local School System	Type of Award	Name
	Lower Division Certificate	Advanced Digital Forensics Advanced Network Security CISCO Certified Network Associate (CCNA) Preparation CISCO Certified Network Professional (CCNP) Preparation Computer Information Systems: Database Administration Computer Information Systems — Personal Computer Specialist — Help Desk Specialist Computer Information Systems — Microsoft Office Specialist Computer Information Systems — Scientific Programming Computer Network Management Computer Science — Database Development Cyber Technology Digital Forensics General Technology Internet Application Development Mobile Device App Development Network Security Server Administration & Security Unix/Linux Sys Administrator
	Workforce Training Certificate (noncredit)	AutoCAD Certified User Certified Information Systems Security Professional, CISSP CompTIA Cybersecurity Analyst, CySA+ CompTIA Network+ CompTIA Security+ Intro to Mobile App development IT Infrastructure Library v3 Fundamentals, ITIL IT Support Specialist PC Technician, CompTIA A+ Secure Infrastructure Associate
	Exam Preparation (noncredit)	Microsoft Office Specialist, MOS exam preparation
Baltimore City Community College	Associate	Cyber Security And Assurance Computer Information Systems
	Lower Division Certificate	Cyber Security And Assurance Information Technology Basic Skills
Carroll Community College	Associate	Business Administration, Management Information Systems Computer Information Systems — Micro Cybersecurity
	Lower Division Certificate	Computer Information Systems — Micro Network Security
	Workforce Training Certificate (noncredit)	Cloud Solutions Architect — Associate iOS App Developer
Community College of Baltimore County	Associate	Information Technology Cybersecurity Network Technology Digital Forensics
	Lower Division Certificate	Information Management Cybersecurity Information Technology Support Cert Programming Database Office Specialist Certificate Mobile Development Network Technology Advanced Geospatial Applications Preparation For Cisco Preparation For Network+ Mcity Certificate General Networking A+

Community College Programs (continued)

Local School System	Type of Award	Name
	Continuing Education	A+ Certified PC Repair Technician Certified Associate in Healthcare Information and Management Systems - CAHIMS Cisco Certified Network Associate CompTIA Cloud+ Certification Training Computer Programmer Help Desk Technician Information Security Analyst (Security+ Certification) Java Programmer Mobile Application Developer Network Security Specialist (Certified Ethical Hacker) Network+ Certified Technician Oracle SQL and PL/SQL Developer Python Developer VMware Systems Administrator
Harford Community College	Associate	Computer Information Systems Information Assurance and Cybersecurity
	Lower Division Certificate	Information Assurance and Cybersecurity Cyber Defense Computer Information Systems
	Preparation for CompTIA Industry Certification	A+ CASP Network+ Security+
	Preparation for ISC2 Industry Certification	CISSP
	Preparation for AWS Industry Certification	AWS Cloud Practitioner
	Preparation for Microsoft Industry Certification	MOS
	Preparation for EC-Council Industry Certification	CEH
Howard Community College	Associate	CISCO Networking Computer Engineering Computer Science Computer-Aided Design Technology Cyber Forensics Technology Cybersecurity
	Apprenticeship	IT Field Support Specialist Network Field Support Specialist Information Systems Security Specialist
	Non-Credit	Computer & Technology Basics Office Applications Office 365 for Business Databases (Oracle, SQL, Tbleau) Computer Programming Photo Editing, Graphic Design & Adobe Applications Mobile Technology & Web Development Health Information Technology Networking IT & Cybersecurity Certifications IT Help Desk - Fundamentals Certification

Workforce Training Providers

Area	Provider	Description	
BUSINESS SERVICE			
Anne Arundel County	Anne Arundel Community College	Commercial Driver's License Class A Parts I&II — 160 clock hours Commercial Driver's License Class B Parts I&II — 52 clock hours	
	Transportation and Logistics Business Collaborative	A Road to Success Program CDL-A	
Baltimore City	All-State Career School	Advanced Tractor Trailer Driving — 480 clock hours Class B CDL Driver Training Program — 42 clock hours	
	Byte Back	Administrative Professional Training Track	
	Humanim	Administrative Assistant Secretary	
Baltimore County	Community College of Baltimore County	Commercial Driver's License — A — 280 clock hours	
Carroll County	Harford Community College	Truck Driver CDL-B — 160 clock hours	
Harford County	McClane FoodService, Inc.	Heavy Truck Driver — 2000 clock hours	
	Susquehanna Transportation and Logistics Strategic Industry Partnership (SIP) — led by Cecil College	Truck Driving — CDL-A and CDL-B EARN Program	
INFORMATION TECHNOLOGY			
Anne Arundel County	Anne Arundel Workforce Development Corporation	CyberWorks EARN Program	
	Carter Enterprise Solutions, LLC	Security Control Assessor Apprenticeship — 4,000 hours System Security Analyst Apprenticeship — 4,000 hours Technical Support Specialist Apprenticeship — 2,000 hours	
	Npower Maryland	Information Technology Specialist Apprenticeship — 2,000 hours	
	Health IT SIP (led by Community College of Baltimore County)	Health IT (EARN Program)	
	Interns for Hire, LLC	Computer Programmer Apprenticeship — 4,000 hours	
	Tranzed Apprenticeship Services	Cybersecurity Level 1 Apprenticeship — 2,000 hours Cybersecurity Level 2 Apprenticeship — 2,000 hours IT Professional Apprenticeship — 2,000 hours Secure Software Programming Apprenticeship — 4,000 hours	
	UMBC Training Centers	Cyber Security Support Technician Apprenticeship — 2,000 hours Certified Cyber Analyst Operator Apprenticeship — 2,000 hours	
	Urban League of Greater Baltimore	IT Training	
	Baltimore City	Baltimore Cyber Range	Intrusion and Countermeasures Education and Training (EARN Program)
		Baltimore Cybersecurity Partnership	(EARN Program)
		I'm Still Standing Community Corporation	
		Byte Back	IT Professional Training Track
		Interns for Hire, LLC	Computer Programmer Apprenticeship — 4,000 hours
NPower Maryland		Information Technology Specialist Apprenticeship — 2,000 hours Helpdesk Technician Tier 1 IT Support Specialist Repair Technician	
Per Scholas, Inc.		Partnership for Tech Talent EARN Program A+ and Network + Certification Prep — 390 clock hours CompTIA A+ Exam Certification Prep — 282 clock hours IT Security — Network +, Security +, Exam Prep — 354 clock hours	
Year Up		Helpdesk Technician Tier 1 IT Support Specialist	
Tranzed Apprenticeship Services		Cybersecurity Level 1 Apprenticeship — 2,000 hours Cybersecurity Level 2 Apprenticeship — 2,000 hours IT Professional Apprenticeship — 2,000 hours Data Science & Analytics — Level 1 Apprenticeship — 2,000 hours Secure Software Programming Apprenticeship — 4,000 hours	
UMBC Training Centers		Cyber Security Support Technician Apprenticeship — 2,000 hours Certified Cyber Analyst Operator Apprenticeship — 2,000 hours	
Urban League of Greater Baltimore		Job Training in Information Technology	

Workforce Training Providers (continued)

Area	Provider	Description	
Baltimore County	Community College of Baltimore County	Cybersecurity Education and Certification Program Health IT SIP	
	Interns for Hire, LLC	Computer Programmer Apprenticeship — 4,000 hours	
	NPower Maryland	Information Technology Specialist Apprenticeship — 2,000 hours Tech Fundamentals Program	
	Tranzed Apprenticeship Services	Cybersecurity Level 1 Apprenticeship — 2,000 hours Cybersecurity Level 2 Apprenticeship — 2,000 hours IT Professional Apprenticeship — 2,000 hours Data Science & Analytics — Level 1 Apprenticeship — 2,000 hours Secure Software Programming Apprenticeship — 4,000 hours	
	Towson University	CISSP Exam Prep-Online — 150 clock hours CompTIA A+ Exam Certification Prep — 140 clock hours Cybersecurity SPC: A+, Net+, Security+ exam prep online — 480 clock hours Cybersecurity SPC: A+, Net+, Security+ exam prep — 136 clock hours Net+ Certification — 49 clock hours Net+/Security+ Exam Prep — 72 clock hours Oracle Database 12c Admin Certified — 51 clock hours Web Design Specialist	
	UMBC Training Centers	Cyber Security Support Technician Apprenticeship — 2,000 hours Certified Cyber Analyst Operator Apprenticeship — 2,000 hours Certification in Cyber Foundations, Exam Prep — 126 clock hours Certification in Cybersecurity, Exam Prep — 140 clock hours Certification in Network Administration Exam Prep — 161 clock hours Certification in Oracle Database Administration Cisco Certified Network Associate — Exam Prep 70 clock hours Cyber Analyst/Operator Certification Exam Prep — 511 clock hours	
	Carroll County	Npower Maryland	Information Technology Specialist Apprenticeship — 2,000 hours
		Tranzed Apprenticeship Services	Cybersecurity Level 1 Apprenticeship — 2,000 hours Cybersecurity Level 2 Apprenticeship — 2,000 hours IT Professional Apprenticeship — 2,000 hours Data Science & Analytics — Level 1 Apprenticeship — 2,000 hours Secure Software Programming Apprenticeship — 4,000 hours
		UMBC Training Centers	Cyber Security Support Technician Apprenticeship — 2,000 hours Certified Cyber Analyst Operator Apprenticeship — 2,000 hours
Harford County	Npower Maryland	Information Technology Specialist Apprenticeship — 2,000 hours	
	Susquehanna Workforce Network	Susquehanna IT/Cyber Partnership EARN Program	
	Tranzed Apprenticeship Services	Cybersecurity Level 1 Apprenticeship — 2,000 hours Cybersecurity Level 2 Apprenticeship — 2,000 hours IT Professional Apprenticeship — 2,000 hours Data Science & Analytics — Level 1 Apprenticeship — 2,000 hours Secure Software Programming Apprenticeship — 4,000 hours	
	UMBC Training Centers	Cyber Security Support Technician Apprenticeship — 2,000 hours Certified Cyber Analyst Operator Apprenticeship — 2,000 hours	
Howard County	mHealth	Health IT; Health Analytics; Healthcare Information and Management Systems EARN Program	
	Npower Maryland	Information Technology Specialist Apprenticeship — 2,000 hours	
	Interns for Hire, LLC	Computer Programmer Apprenticeship — 4,000 hours	
	Tranzed Apprenticeship Services	Cybersecurity Level 1 Apprenticeship — 2,000 hours Cybersecurity Level 2 Apprenticeship — 2,000 hours IT Professional Apprenticeship — 2,000 hours Data Science & Analytics — Level 1 Apprenticeship — 2,000 hours Secure Software Programming Apprenticeship — 4,000 hours	
	UMBC Training Centers	Cyber Security Support Technician Apprenticeship — 2,000 hours Certified Cyber Analyst Operator Apprenticeship — 2,000 hours	

APPENDIX III Healthcare Offerings

CTE Programs

Program of Study	Local School System	Career Cluster
Academy of Health Professions — Certified Nursing Assistant Biomedical Science (PLTW)	ANNE ARUNDEL	Health and Biosciences
Academy of Health Professions — Certified Nursing Assistant	BALTIMORE CITY	Health and Biosciences
Academy of Health Professions — Certified Nursing Assistant Biomedical Science (PLTW)	BALTIMORE COUNTY	Health and Biosciences
Academy of Health Professions — Certified Nursing Assistant Biomedical Science (PLTW)	CARROLL	Health and Biosciences
Biomedical Science (PLTW)	HARFORD	Biomedical Science (PLTW)
Academy of Health Professions — Certified Nursing Assistant	HOWARD	Health and Biosciences

Community College Programs

Local School System	Type of Award	Name
Anne Arundel Community College	Associate	Health Information Technology Medical Assisting Medical Laboratory Technician Nursing (RN) Nursing Transfer Radiologic Technology
	Lower Division Certificate	Business Management — Healthcare Professionals Health Care Delivery Systems Medical Assisting Medical Coding Medical Laboratory Assistant Practical Nursing
	Workforce Training Certificate (noncredit)	Central Sterile Processing Technician Certified Nursing Assistant/Geriatric Nursing Assistant Licensed Nurse Refresher Registered Nurse, Case Manger/Delegating Nurse in Assisted Living
	Exam Preparation (noncredit)	Certified Electronic Health Records Specialist, CEHRS Exam Preparation
Baltimore City Community College	Associate	Health Information Technology Nursing Paramedicine Surgical Technologist Respiratory Care Physical Therapist Assistant
	Lower Division Certificate	Practical Nursing Coding Specialist Paramedic Paramedic Bridge
Carroll Community College	Associate	Health Information Technology National Registry Paramedic Registered Nursing Physical Therapist Assistant
	Certificate	Sports Medicine Aide
	Lower Division Certificate	Practical Nursing Health Information Technology, Core Health Information Technology, Advanced Emergency Medical Technician
	Workforce Training Certificate (noncredit)	Certified Nursing Assistant EKG Technician Emergency Medical Technician Medical Assistant Medicine Aide Phlebotomy Technician Sterile Processing Technician

Community College Programs (continued)

Local School System	Type of Award	Name
Community College of Baltimore County	Associate	Allied Health
		Anesthesia Technology
		Emergency Medical Technology (EMT)
		Histotechnology
		Medical Laboratory Technology
		Nursing
		Occupational Therapy Assistant
		Radiation Therapy
		Radiography
		Respiratory Care Therapist
	Lower Division Certificate	Computed Tomography (CT)
		Magnetic Resonance Imaging (MRI)
	Workforce Training Certificate (noncredit)	Practical Nursing
Accelerated Alternative Delivery Surgical Technology (AAD-ST)		
Central Service Technician		
Delegating Nurse		
Health Unit Coordinator		
Medical Assistant		
Medical Billing		
Medical Coding		
Nurse Refresher Series		
Nursing Assistant		
Patient Care Technician		
Phlebotomist		
Physical Therapy Tech/Aide		
Surgical Technologist		
Harford Community College	Certificate	Emergency Medical Technician Program National Registry
		Paramedic Program National Registry
	Workforce Training Certificate (noncredit)	Certified Medicine Aide Training
		Certified Nursing Assistant Program
		Histologic Technician Program
Howard Community College	Associate	Nurse Refresher Program
		Phlebotomy Technician Program
		Cardiovascular Technology – Invasice Technologist
		Diagnostic Medical Sonography
		Emergency Medical Technician – Paramedic
		Health Information Technology
		Medical Laborator Technician
		Military to RN Pathway Sequence
		Nursing
		Paramedic to RN Pathway Sequence
	Public Health	
Radiologic Technology		
Respiratory Care		
Surgical Technology		
Lower Division Certificate	Health Information Technology	
	Emergency Medical Technician – Paramedic	
	Nursing – Licensed Practical Nursing	
Non-Credit	Surgical Technology	
	Cardiac EP Technologist Certification	
	Certified Nursing Assistant (CNA)	
	CT or MRI Technologist Certification	
	Diagnostic Medical Vascular Sonographer Program	
	Health Care Interpreter Training	
	Health Information Technology	
	Home Care Provider Training	
	Medical Billing & Coding	
	Nursing Assistant Instructor Training	
	Ophthalmic Technician Assistant Training	
	Patient Care Technician (PCT)	
	RN Case Manager	

■ Workforce Training Providers

Area	Provider	Description
Anne Arundel County Baltimore City	Baltimore Alliance for Careers in Healthcare (BACH)	Healthcare Environmental Care Supervisor Apprenticeship — 9–18 months
Baltimore County	Baltimore Healthcare Partnership — led by Baltimore Alliance for Careers in Healthcare (BACH)	EARN Program — Various Certifications available, including: CNA, GNA, PCT, Pharmacy Technician, Certified Peer Recovery Specialist, Community Health Worker
	EARN Health Information Technology Program — led by the Community College of Baltimore County	EARN Health Information Technology Program