

# INDUSTRY-RECOGNIZED CREDENTIALS FOR CAREER AND TECHNICAL EDUCATION PROGRAMS

## Resource Guide

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*May 2017*



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF EDUCATION**

333 Market Street  
Harrisburg, PA 17126-0333  
[www.education.pa.gov](http://www.education.pa.gov)



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## PREFACE

The Pennsylvania Department of Education, Bureau of Career and Technical Education (BCTE), has compiled this resource guide, which lists industry-recognized credentials for career and technical education programs in Pennsylvania's career clusters.

The resource guide is designed to assist schools with the process of identifying organizations that provide industry-recognized credentials. The guide is organized by career cluster.

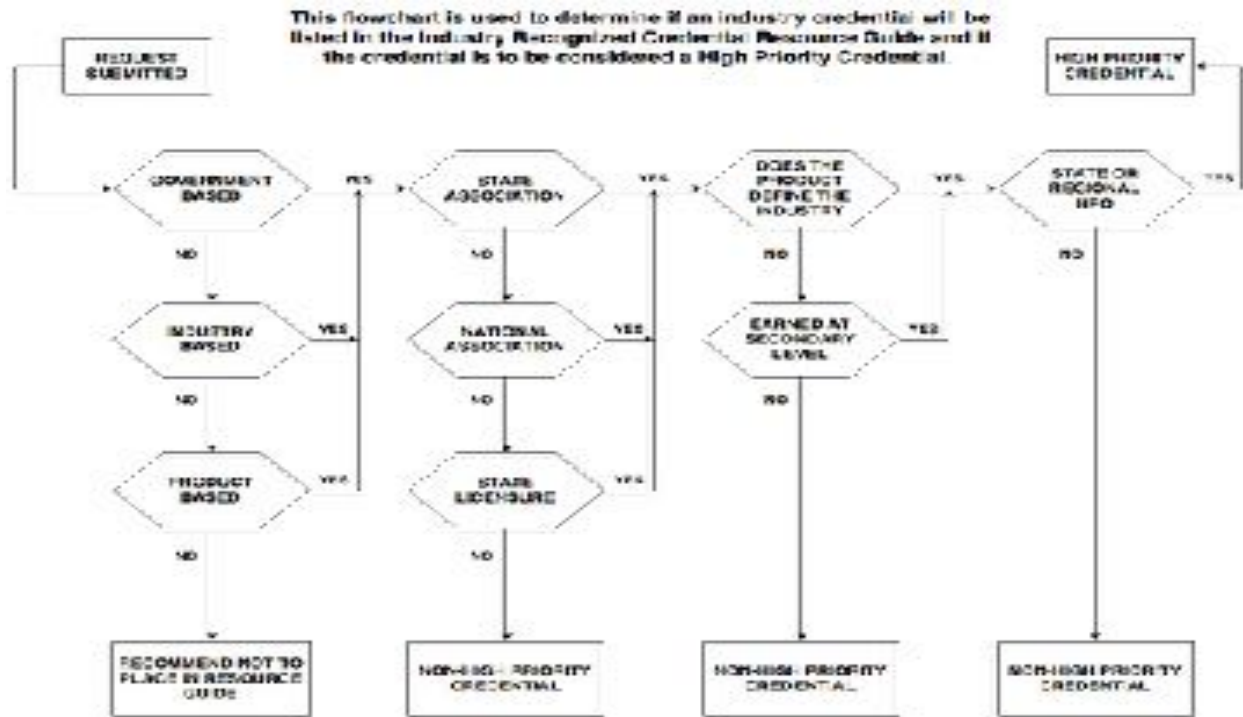
Within each cluster, programs appear in Classification of Instructional Program Code (CIP) order with the name of the industry credentials and provider. On page 81 is an additional table that contains credentials that may be applicable to multiple clusters or programs.

Appendix A contains industry credentials that are eligible for PIMS reporting but not considered high priority credentials.

Page 83 & 84 contain the process and application to request a new industry credentials to be added to this guide.

General comments or questions about the resource guide should be directed to Beth Marshall at (717-783-6860) or [betmarshal@pa.gov](mailto:betmarshal@pa.gov).

## INDUSTRY CREDENTIAL FLOWCHART



**AGRICULTURE, FOOD & NATURAL RESOURCES**

**01.0000 Agriculture, General**



Course Code	Course Title	Credential	Credential Provider
		Dairy Leaders of Tomorrow	Center for Dairy Excellence
		National Safe Tractor and Machinery Operator	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		Youth Pork Quality Assurance Program	National Pork Board
		Pennsylvania Beef Quality Assurance Certification	Pennsylvania Beef Quality Assurance
		Pennsylvania Pesticide Applicator Certification	Pennsylvania Department of Agriculture
		Certified Landscape Technician (CLT)	Pennsylvania Landscape & Nursery Association
		Pennsylvania Certified Horticulturist (PCH)	Pennsylvania Landscape & Nursery Association
		Pennsylvania Environment Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Agriculture
		Pennsylvania Nutrient Management Certification	Pennsylvania Department of Agriculture
		OSHA Certification – Agriculture	CareerSafe
		Equine Facility Manager Certification	Certified Horsemanship Association
		Seasonal Equestrian Staff Certification	Certified Horsemanship Association
		Trail Guide Certification	Certified Horsemanship Association
		Disabilities Certification	Certified Horsemanship Association

## CIP 01.0201 Agricultural Mechanization, General

Course Code	Course Title	Credential	Credential Provider
1840 1	Agriculture Mechanics Equipment/ Structures	Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
1840 2	Agriculture Mechanics and Equipment	National Safe Tractor and Machinery Operator	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
1840 3	Agriculture Structures	Pennsylvania Environment Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Agriculture
1840 4	Agriculture Welding	OSHA Certification – Agriculture	CareerSafe
		Pennsylvania Pesticide Applicator Certification	Pennsylvania Department of Agriculture
		Pennsylvania Nutrient Management Certification	Pennsylvania Department of Agriculture

## CIP 01.0301 Agricultural Production Operations, General

Course Code	Course Title	Credential	Credential Provider
18301	Agricultural Production	Pennsylvania Pesticide Applicator Certification	Pennsylvania Department of Agriculture
18302	Agricultural Processing	Dairy Leaders of Tomorrow	Center for Dairy Excellence
18303	Plant Processing	Youth Pork Quality Assurance Program	National Pork Board
18304	Animal Processing	Pennsylvania Environmental Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Environmental Protection, Department of Agriculture, and Other
18305	Food Product Processing		
18306	Aquaculture		
18307	Agriculture and Society	Pennsylvania Beef Quality Assurance Certification	Pennsylvania Beef Quality Assurance
18308	Agricultural Biotechnology	National Safe Tractor and Machinery Operator AI Training Certified Landscape Technician (CLT) Pennsylvania Certified Horticulturist (PCH) Pennsylvania Nutrient Management Certification OSHA Certification – Agriculture	Hazardous Occupations and Safety Training in Agriculture (HOSTA) Genex Cooperative, Inc. Pennsylvania Landscape & Nursery Association Pennsylvania Landscape & Nursery Association Pennsylvania Department of Agriculture CareerSafe

## 01.0401 Agricultural & Food Products Processing

Course Code	Course Title	Credential	Credential Provider
		ServSafe/ Manager Food Safety Certification	National Restaurant Association
		Pennsylvania Pesticide Applicator Certification	Pennsylvania Department of Agriculture
		National Safe Tractor and Machinery Operator	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		Youth Pork Quality Assurance Program	National Pork Board
		Pennsylvania Nutrient Management Certification	Pennsylvania Department of Agriculture
		OSHA Certification – Agriculture	CareerSafe
		Pennsylvania Environment Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Agriculture

## CIP 01.0601 Applied Horticulture/ Horticultural Operations, General

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
18051	Plant Production/ Science	Worker Protection Standard Training	US Environmental Protection Agency Region III
18052	General Horticulture	Pennsylvania Certified Horticulturist (PCH)	Pennsylvania Department of Agriculture
18053	Ornamental Horticulture	Pennsylvania Pesticide Applicator Certification	
18054	Turf and Landscape Management	Certified Landscape Technician (CLT)	Pennsylvania Landscape & Nursery Association
18055	Soil Science	National Safe Tractor and Machinery Operator	Pennsylvania Department of Agriculture
		Pennsylvania Nutrient Management Certification	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		OSHA Certification – Agriculture	Pennsylvania Department of Agriculture
		Pennsylvania Environment Agricultural Conservation Certification of Excellence (PEACCE)	CareerSafe
		ISA Certified Tree Worker/Climber Specialist	The Pennsylvania State University, Department of Agriculture
			International Society of Arboriculture

### **CIP 01.0901 Animal Sciences, General**

Course Code	Course Title	Credential	Credential Provider
18101	Animal Production/ Science	Equine Facility Manager Certification	Certified Horsemanship Association
18102	Small Animal Care	Seasonal Equestrian Staff Certification	Certified Horsemanship Association
18103	Large Animal Care	Trail Guide Certification Disabilities Certification	
18104	Equine Science	Pennsylvania Environmental Agricultural Conservation Certification of Excellence (PEACCE)	Certified Horsemanship Association Certified Horsemanship Association
		National Safe Tractor and Machinery Operator	The Pennsylvania State University, Department of Agriculture, and other sponsors
		Dairy Leaders of Tomorrow	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		AI Training	
		OSHA Certification – Agriculture	Center for Dairy Excellence Genex Cooperative, Inc.
		Youth Pork Quality Assurance Program	CareerSafe
		Pennsylvania Beef Quality Assurance Program	National Pork Board  Pennsylvania Beef Quality Assurance

## CIP 01.9999 Agriculture, Agriculture Operations & Related Sciences, Other

Course Code	Course Title	Credential	Credential Provider
		Dairy Leaders of Tomorrow	Center for Dairy Excellence
		Pennsylvania Beef Quality Assurance Program	Pennsylvania Beef Quality Assurance
		Youth Pork Quality Assurance Program	National Pork Board
		Pennsylvania Environmental Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Agriculture, and Other
		National Safe Tractor and Machinery Operator	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		AI Training	Genex Cooperative, Inc.
		Pennsylvania Nutrient Management Certification	Pennsylvania Department of Agriculture
		OSHA Certification – Agriculture	CareerSafe
		Pennsylvania Pesticide Applicator Certification	Pennsylvania Department of Agriculture
		Pennsylvania Certified Horticulturist (PCH)	Pennsylvania Landscape & Nursery Association
		Certified Landscape Technician (CLT)	Pennsylvania Landscape & Nursery Association

## CIP 03.0299 Natural Resources Management & Policy, Other

Course Code	Course Title	Credential	Credential Provider
18501	Wildlife Management	Pennsylvania Certified Horticulturist (PCH)	Pennsylvania Landscape & Nursery Association
18502	Forestry	Certified Landscape Technician (CLT)	Pennsylvania Landscape & Nursery Association
18503	Forestry Harvesting	Pennsylvania Environmental Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Agriculture, and Other
18504	Natural Resources Management	National Safe Tractor and Machinery Operator	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		Basic Wildland Firefighter/ PA-130	Pennsylvania State Fire Academy



## CIP 03.0511 Forestry Technology/Technician

Course Code	Course Title	Credential	Credential Provider
		ISA Certified Tree Worker/Climber Specialist	International Society of Arboriculture
		Basic Wildland Firefighter/ PA-130	Pennsylvania State Fire Academy
		National Safe Tractor and Machinery Operator	Hazardous Occupations and Safety Training in Agriculture (HOSTA)
		Pennsylvania Pesticide Applicator Certification	Pennsylvania Department of Agriculture
		Pennsylvania Certified Horticulturist (PCH)	Pennsylvania Landscape & Nursery Association
		Certified Landscape Technician (CLT)	Pennsylvania Landscape & Nursery Association
		Pennsylvania Nutrient Management Certification	Pennsylvania Department of Agriculture
		Pennsylvania Environmental Agricultural Conservation Certification of Excellence (PEACCE)	The Pennsylvania State University, Department of Agriculture, and Other
		OSHA Certification – Agriculture	CareerSafe

## ARCHITECTURE & CONSTRUCTION

### CIP 15.1303 Architectural Drafting & Architectural CAD/CADD

Course Code	Course Title	Credential	Credential Provider
		Certified Drafter	American Design Drafting Association
		Autodesk certified user	Autodesk

### CIP 46.0101 Mason/Masonry

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		PBA Skills Certificate	Pennsylvania Builders Association
		S/P2 Construction	S/P2
		Fork Lift Operator	National Safety Council

## CIP 46.0201 Carpentry/Carpenter

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		PBA Skills Certificate	Pennsylvania Builders Association
		S/P2 Construction	S/P2
		Fork Lift Operator	National Safety Council

## CIP 46.0303 Lineworker

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		S/P2 Construction	S/P2
		Fork Lift Operator	National Safety Council

## CIP 46.0399 Electrical & Power Transmission Installers, Other

Course Code	Course Title	Credential	Credential Provider
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		PBA Skills Certificate	Pennsylvania Builders Association
		Telecommunications Technology	C-TECH
		Network Cabling Specialist – Copper	C-TECH
		Network Cabling Specialist – Fiber	C-TECH
		S/P2 Construction	S/P2
		Fork Lift Operator	National Safety Council
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)

## CIP 46.0401 Building/Property Maintenance

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		PBA Skills Certificate	Pennsylvania Builders Association
		S/P2 Construction	S/P2
		Telecommunications Technology	C-TECH
		Fork Lift Operator	National Safety Council

## CIP 46.0408 Painting/Painter & Wall Coverer

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		S/P2 Construction	S/P2
		Pennsylvania Builder's Skills Certificate	Pennsylvania Builders Association
		Lead Safety for Renovation, Repair and Painting Certified Renovator	Environmental Protection Agency (EPA)
		Lead Abatement	Environmental Protection Agency (EPA)

## CIP 46.0503 Plumbing Technology/Plumber

Course Code	Course Title	Credential	Credential Provider
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		PBA Skills Certificate	Pennsylvania Builders Association
		EPA 608 certification	Air Conditioning and Refrigeration Institute
		S/P2 Construction	S/P2
		Fork Lift Operator	National Safety Council

## CIP 46.0504 Well Drilling/Driller

Course Code	Course Title	Credential	Credential Provider
		No Known Industry-Recognized Credentials—See list of “Other Credentials” suitable for all CIPs.	

## CIP 46.9999 Construction Trades, Other

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		PBA Skills Certificate	Pennsylvania Builders Association
		Fork Lift Operator	National Safety Council
		S/P2 Construction	S/P2

**CIP 47.0201 Heating, Air Conditioning, Ventilation & Refrigeration  
Maintenance Technology/Technician**



Course Code	Course Title	Credential	Credential Provider
		EPA 608 Certification	Air Conditioning and Refrigeration Institute
		Industry Competency Exams (ICE) - Commercial Refrigeration	Air Conditioning and Refrigeration Institute
		Industry Competency Exams (ICE) - Light Commercial Air Conditioning and Heating	Air Conditioning and Refrigeration Institute
		Industry Competency Exams (ICE) Residential Air Conditioning and Heating	Air Conditioning and Refrigeration Institute
		Student Outcome Assessment	HVAC Excellence
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		PBA Skills Certificate	Pennsylvania Builders Association
		RSES Student Technician	Refrigeration Service Engineers Society (RSES)
		Residential Construction Academy (RCA) National Registry	Home Builders Institute
		EPA 608	Mainstream Engineering
		Indoor Air Quality	Mainstream Engineering
		EPA 608 Refrigerant Recovery	ESCO Group
		Section 609 Certification for Refrigerant Recycling and Recovery	Mobile Air Conditioning Society Worldwide

Course Code	Course Title	Credential	Credential Provider
		Section 609 Certification for Refrigerant Recycling and Recovery	National Institute for Automobile Service Excellence
		S/P2 Construction	S/P2
		Fork Lift Operator	National Safety Council
		OSHA Certification – Construction	Careersafe
		EPA 608 Refrigerant Recovery	HVAC Excellence

## ARTS, A/V TECHNOLOGY & COMMUNICATIONS

## CIP 10.0399 Graphic Communications, Other

Course Code	Course Title	Credential	Credential Provider
1115 1	Digital Media Technology	Adobe Certified Associate – Visual Communication Using Adobe Illustrator	Certiport
1115 2	Desktop Publishing		Certiport
1115 3	Digital Media Design and Production	Adobe Certified Associate – Visual Communication Using Adobe Photoshop	Certiport
1115 4	Commercial Graphic Design		Certiport
1115 5	Graphic Technology	Adobe Certified Associate –Graphic Design & Illustration Using Adobe Illustrator	Certiport
1115 6	Photography and Printing Technology		Certiport
1115 7	Photoengraving	Adobe Certified Associate – Print & Design Media Publication Using Adobe Indesign	Certiport
1115 8	Print Press Operations		Certiport
		Adobe Certified Associate – Video Communication	Certiport
		Adobe Certified Associate – Rich Media Communication	Certiport
		Adobe Certified Associate – Visual Communication	International Computer Driving License-US
		Adobe Certified Associate – Web Communication	
		International Computer Driving License (ICDL)	

**CIP 10.9999 Communications Technologies/Technicians & Support Services, Other**

<b>Cour se Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
1100 1	Introduction to Communication	Adobe Certified Associate – Web Communication	Certiport
1100 2	Communication Technology	Adobe Certified Associate – Visual Communication Using Adobe Illustration	Certiport
		Adobe Certified Associate – Visual Communication Using Adobe Photoshop	Certiport
		Adobe Certified Associate – <b>Graphic Design &amp; Illustration Using Adobe Illustrator</b>	Certiport
		Adobe Certified Associate – Print & Design Media Publication Using Adobe Indesign	Certiport
		Adobe Certified Associate – Rich Media Communication	Certiport
		Adobe Certified Associate – Visual Communication	Certiport
		Adobe Certified Associate – Video Communication	Certiport
		Final Cut Pro - Level I	Apple, Inc.
Final Cut Pro – Level II	Apple, Inc.		

## CIP 50.0402 Commercial & Advertising Art

Course Code	Course Title	Credential	Credential Provider
		Adobe Certified Associate – Visual Communication Using Adobe Illustration	Certiport
		Adobe Certified Associate –Graphic Design & Illustration Using Adobe Illustrator	Certiport
		Adobe Certified Associate – Print & Design Media Publication Using Adobe Indesign	Certiport
		Adobe Certified Associate – Visual Communication Using Adobe Photoshop	Certiport
		Adobe Certified Associate – Rich Media Communication	Certiport
		Adobe Certified Associate – Visual Communication	Certiport
		Adobe Certified Associate – Web Communication	Certiport

## CIP 50.0406 Commercial Photography

Course Code	Course Title	Credential	Credential Provider
		Autodesk Certified User	Autodesk
		Adobe Certified Associate – Video Communication	Certiport
		Adobe Certified Associate – Visual Communication	Certiport

## CIP 50.0602 Cinematography & Film/Video Production

Course Code	Course Title	Credential	Credential Provider
11051	Audio/Visual Production	Autodesk certified user	Autodesk
11052	Commercial Photography	Adobe Certified Associate – Video Communication	Certiport
11053	Photographic Laboratory and Darkroom	Adobe Certified Associate – Visual Communication	Certiport
11054	Photo Imaging	Adobe Certified Associate – Visual Communication Using Adobe Illustration	Certiport
11055	Video	Adobe Certified Associate – Graphic Design & Illustration Using Adobe Illustrator	Certiport
		Adobe Certified Associate – Visual Communication Using Adobe Photoshop	Certiport
		Adobe Certified Associate – Print & Design Media Publication Using Adobe Indesign	Apple, Inc.
		Final Cut Pro – Level I	Apple, Inc.
		Final Cut Pro – Level II	

**BUSINESS, MANAGEMENT & ADMINISTRATION**



**CIP 52.0302 Accounting Technology/Technician & Bookkeeping**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
12101	Banking and Finance	Microsoft Office Master	Certiport
12102	Banking	Microsoft Office Specialist-Microsoft Access	Certiport
12103	Finance	Microsoft Office Specialist-Microsoft Excel	Certiport
12104	Accounting	Microsoft Office Specialist-Microsoft Excel Expert	Certiport
12105	Business Economics	Microsoft Office Specialist-Microsoft Excel Expert	Certiport
12106	Risk Management and Insurance	Microsoft Office Specialist-Microsoft PowerPoint	Certiport
12107	Investing	Microsoft Office Specialist-Project	Certiport
		Microsoft Office Specialist-Microsoft Word	Microsoft
		Microsoft Office Specialist-Microsoft Word Expert	Microsoft
		Microsoft Office Specialist-Microsoft Word Expert	Microsoft
		Microsoft Certified Professional (MCP)	Microsoft
		Microsoft Office Specialist-Access	Microsoft
		Microsoft Office Specialist-Excel	
		Microsoft Office Specialist-PowerPoint	
		Microsoft Office Specialist-Outlook	
		Microsoft Office Specialist-Word	

## CIP 52.0401 Administrative Assistant & Secretarial Science, General

Course Code	Course Title	Credential	Credential Provider
12002	Office Procedures-Comprehensive	Microsoft Office Master	Certiport
12003	Office and Administrative Technologies	Microsoft Office Specialist-Microsoft Access	Certiport
12004	Office Services	Microsoft Office Specialist-Microsoft Excel	Certiport
12005	Keyboarding	Microsoft Office Specialist-Microsoft Excel Expert	Certiport
12006	Word Processing	Microsoft Office Specialist-Microsoft Outlook	Certiport
12007	Recordkeeping	Microsoft Office Specialist-Microsoft Outlook	Certiport
12049	Administrative-Other	Microsoft Office Specialist-Microsoft PowerPoint	Certiport
		Microsoft Office Specialist-Project	Microsoft
		Microsoft Office Specialist-Microsoft Word	Microsoft
		Microsoft Office Specialist-Microsoft Word Expert	Microsoft
		Microsoft Certified Professional (MCP)	Microsoft
		Microsoft Office Specialist-Access	Microsoft
		Microsoft Office Specialist-Excel	
		Microsoft Office Specialist-PowerPoint	
		Microsoft Office Specialist-Outlook	
		Microsoft Office Specialist-Word	

## CIP 52.0701 Entrepreneurship/Entrepreneurial Studies

Course Code	Course Title	Credential	Credential Provider
		No Known Industry-Recognized Credentials—See list of “Other Credentials” suitable for all CIPs.	

## HEALTH SCIENCE

## CIP 51.0601 Dental Assisting/Assistant

Course Code	Course Title	Credential	Credential Provider
		Radiation Health and Safety (RHS)	Dental Assisting National Board
		National Entry Level Dental Assistant	Dental Assisting National Board
		Infection Control (ICE)	Dental Assisting National Board
		Certified Dental Assistant	Dental Assisting National Board
		BLS Healthcare Provider	American Heart Association
		Heartsaver Bloodborne Certification	American Heart Association
		Heartsaver CPR	American Heart Association
		BLS Healthcare Provider	Pennsylvania Department of Health
		Adult CPR	American Red Cross
		OSHA Certification – Healthcare	CareerSafe

## CIP 51.0707 Health Information/Medical Records Technology/Technician

Course Code	Course Title	Credential	Credential Provider
14153	Medical Office Procedures	Certified Medical - Billing and Coding Specialist (CBCS)	National Healthcareer Association
		Certified Medical Administrative Assistant (CMAA)	National Healthcareer Association
		Medical Assisting Clinical and Clerical	American Medical Certification Association
		Certified Medical Transcriptionist (CMT)	National Healthcareer Association

## CIP 51.0801 Medical/Clinical Assistant

Course Code	Course Title	Credential	Credential Provider
14151	Medical/Clerical Assisting	Certified Phlebotomy Technician	National Healthcareer Association
14154	Medical Terminology	Certified Clinical Medical Assistant (CCMA)	National Healthcareer Association
		Certified EKG/ECG Technician (CET)	National Healthcareer Association
		Certified Nurse Technician	National Healthcareer Association
		Certified Patient Care Technician	American Medical Certification Association
		Medical Assisting Clinical and Clerical	American Medical Certification Association
		Patient Care Technician	American Medical Certification Association
		Phlebotomy Technician	American Medical Certification Association
		EKG Technician	American Medical Certification Association
		BLS Healthcare Provider	American Heart Association
		BLS Healthcare Provider	Pennsylvania Department of Health
		Nurse Aide Registry	Pennsylvania Department of Health
		Personal Care Home Direct Care Staff certificate	Pennsylvania Department of Human Services
		OSHA Certification – Healthcare	CareerSafe

## CIP 51.0808 Veterinary/Animal Health Technology/Technician & Veterinary Assistant

<b>Cour se Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
1810 5	Veterinary Science	OSHA Certification – Healthcare	CareerSafe



**CIP 51.0899 Health/Medical Assisting Services, Other**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
1415 2	Pharmacy Assisting	Certified - Clinical Medical Assistant (CCMA)	National Healthcareer Association
		Certified EKG/ECG Technician	National Healthcareer Association
		Certified Patient Care Technician	National Healthcareer Association
		Certified Pharmacy Technician	National Healthcareer Association
		Certified Phlebotomy Technician	National Healthcareer Association Pennsylvania Department of Health
		Certified Nurse Technician (CNT)	American Heart Association
		Nurse Aide Registry	American Heart Association
		BLS Healthcare Provider	American Heart Association
		CPR for Family and Friends	American Heart Association
		Heartsaver AED	American Heart Association
		Heartsaver Bloodborne Certification	American Heart Association
		Heartsaver CPR	Pennsylvania Department of Health
		Heartsaver First Aid	American Red Cross
		BLS Healthcare Provider	American Red Cross
		AED Essentials	American Red Cross
		Community First Aid and Safety	American Safety & Health Institute
		First Aid	American Safety & Health Institute
		Automated External Defibrillation (AED)	American Safety & Health Institute
		Basic First Aid	American Safety & Health Institute
		CPR and AED	American Safety & Health Institute
CPR Pro	National Safety Council		

Course Code	Course Title	Credential	Credential Provider
		Bloodborne and Airborne Pathogens	National Safety Council
		CPR and AED	National Safety Council
		First Aid	National Safety Council
		Standard First Aid, CPR and AED	Pennsylvania Department of Human Services
		Personal Care Home Direct Care Staff certificate	CareerSafe
		OSHA Certification – Healthcare	American Medical Certification Association
		EKG Technician	American Medical Certification Association
		Medical Assisting Clinical and Clerical	American Medical Certification Association
		Patient Care Technician	American Medical Certification Association
		Phlebotomy Technician	National Consortium on Health Science and Technology Education
		National Health Care Foundation Skill Standards Assessment/ Certificate Program	

## CIP 51.0904 Emergency Medical Technology/Technician (EMT Paramedic)

Course Code	Course Title	Credential	Credential Provider
		Emergency Medical Technician (EMT)	Pennsylvania Department of Health
		First Responder Program	Pennsylvania Department of Health
		Assessment and Treatment of Trauma (ATT)	American Academy of Orthopedic Surgeons
		Pediatric Emergency Assessment Recognition and Stabilization (PEARS)	American Heart Association
		NIMS IS 100	Emergency Management Institute
		NIMS IS 200	Emergency Management Institute
		NIMS IS 700	Emergency Management Institute
		NIMS IS 800	Emergency Management Institute
		OSHA Certification – Healthcare	CareerSafe
		Advanced Cardiac Life Support for EMT (ACLS)	American Heart Association

## CIP 51.2604 Rehabilitation Aide

Course Code	Course Title	Credential	Credential Provider
		OSHA Certification – Healthcare	CareerSafe
		Bloodborne And Airborne Pathogens	National Safety Council
		CPR and AED	National Safety Council
		First Aid	National Safety Council

## CIP 51.3902 Nurse/Nursing Assistant/Aide and Patient Care Assistant

Course Code	Course Title	Credential	Credential Provider
		Certified - Patient Care Technician (CPCT)	National Healthcareer Association
		Nurse Aide Registry	Pennsylvania Department of Health
		BLS Healthcare Provider	Pennsylvania Department of Health
		BLS Healthcare Provider	American Heart Association
		Personal Care Home Direct Care Staff certificate	Pennsylvania Department of Human Services
		OSHA Certification – Healthcare	CareerSafe



Course Code	Course Title	Credential	Credential Provider
19053	Elder Care	Certified Nurse Technician (CNT)	National Healthcareer Association
			National Healthcareer Association
		Certified Patient Care Technician	National Healthcareer Association
		Certified Pharmacy Technician	National Healthcareer Association
		Certified Phlebotomy Technician	American Heart Association
			American Heart Association
		BLS Healthcare Provider	American Heart Association
		CPR for Family and Friends	American Heart Association
			American Heart Association
		Heartsaver AED Heartsaver Bloodborne Certification	American Heart Association
		Heartsaver CPR	Pennsylvania Department of Health
		Heartsaver First Aid	Pennsylvania Department of Health
		BLS Healthcare Provider	American Red Cross
		Nurse Aide Registry	American Red Cross
		AED Essentials	American Red Cross
		Community First Aid and Safety	American Safety & Health Institute
		First Aid	
		Automated External Defibrillation (AED)	American Safety & Health Institute
		Basic First Aid	American Safety & Health Institute
		CPR and AED	American Safety & Health Institute
CPR Pro	American Safety & Health Institute		

Course Code	Course Title	Credential	Credential Provider
		Bloodborne and Airborne Pathogens	National Safety Council
		CPR and AED	National Safety Council
		First Aid	National Safety Council
		Standard First Aid, CPR and AED	National Safety Council
		Personal Care Home Direct Care Staff certificate	Pennsylvania Department of Human Services
		OSHA Certification – Healthcare	CareerSafe
		Medical Assisting Clinical and Clerical	American Medical Certification Association
		Patient Care Technician	American Medical Certification Association
		Phlebotomy Technician	American Medical Certification Association
		EKG Technician	National Consortium on Health Science and Technology Education
		National Health Care Foundation Skill Standards Assessment/ Certificate Program	Emergency Care & Safety Institute
		AED	Emergency Care & Safety Institute
		CPR	Emergency Care & Safety Institute
		First Aid	Emergency Care & Safety Institute
		Certified EKG/ECG Technician (CET)	National Healthcare Association



## HOSPITALITY & TOURISM

### CIP 12.0501 Baking & Pastry Arts/Baker/Pastry Chef

Course Code	Course Title	Credential	Credential Provider
		Certified Culinarian (CC)	American Culinary Federation
		Certified –Junior Culinarian (CJC)	American Culinary Federation
		Pastry Culinarian (CPC)	American Culinary Federation
		ServSafe/ Manager Food Safety Certification	National Restaurant Association
		ProStart National Certificate	PA Restaurant & Lodging Association (PRLA)
		ProStart National Certificate of Achievement	S/P2
		S/P2 Culinary	ServSafe
		ServSafe Allergen Certification	ServSafe
		ServSafe Food Handler Certification	

## CIP 12.0508 Institutional Food Workers

Course Code	Course Title	Credential	Credential Provider
		Certified Culinarian (CC)	American Culinary Federation
		Certified –Junior Culinarian (CJC)	American Culinary Federation
		Pastry Culinarian (CPC)	American Culinary Federation
		Plant Based Certification	Rouxbe Cooking School
		Professional Cook Certification	Rouxbe Cooking School
		Heartsaver CPR	American Heart Association
		Heartsaver First Aid	American Heart Association
		ProStart National Certificate	National Restaurant Association
		ServeSafe	National Restaurant Association
		S/P2 Culinary	S/P2
		ProStart National Certificate of Achievement	PA Restaurant and Lodging Association
		Certified Rooms Division Specialist (CRDS)	American Hotel & Lodging Association
		ServSafe Allergen Certification	ServSafe
		ServSafe Food Handler Certification	ServSafe

## CIP 52.1905 Tourism & Travel Services Marketing Operations

Course Code	Course Title	Credential	Credential Provider
		Certified Rooms Division Specialist (CRDS)	American Hotel & Lodging Association
		ServSafe/ Manager Food Safety Certification	National Restaurant Association

## HUMAN SERVICES

### CIP 12.0402 Barbering/Barber

Course Code	Course Title	Credential	Credential Provider
		Barber (License)	Pennsylvania Department of State, State Board of Barber Examiners



Course Code	Course Title	Credential	Credential Provider
19051	Child Care	Child Development Associate (CDA)	Council for Professional Recognition
19052	Child Development		
19054	Caregiving Service	Early Childhood Education	American Association of Family and Consumer Science
19151	Teaching Profession	Education Fundamentals	American Association of Family and Consumer Science American Heart Association
19152	Educational Methodology	CPR for Family and Friends	American Heart Association
19153	Early Childhood Education	Heartsaver AED	American Heart Association
22201	Family and Consumer Science-Comprehensive	Heartsaver First Aid	American Red Cross
		Advanced Child Care	American Red Cross
22202	Food and Nutrition	AED Essentials	American Red Cross
22203	Food Science	Babysitter's Training	American Red Cross
		Babysitting Basics	American Red Cross
22204	Child Development/Parenting	Community First Aid and Safety	American Red Cross
22205	Clothing/Sewing	First Aid	American Safety & Health Institute
22206	Life Skills	Infant and Child CPR	American Safety & Health Institute
22207	Self-Management	Automated External Defibrillation	American Safety & Health Institute
22208	Family Living	Basic First Aid	American Safety & Health Institute
22209	Personal Development	CPR and AED	American Safety & Health Institute
		CPR PRO	
22210	Consumer Economics/Personal Finance	Pediatric First Aid, CPR and AED	National Safety Council American Academy of Pediatrics
22211	Home Decor	CPR	American Academy of Pediatrics
		Pediatric First Aid	Penn State Extension
		Health and Safety Basics	Penn State Hershey Center for Protection of Children
		Act 31-Mandatory Reporter	University of Pittsburgh
			ServSafe

Course Code	Course Title	Credential	Credential Provider
		Act 31-Mandatory Reporter	ServSafe
		ServSafe Allergen Certification	
		ServSafe Food Handler Certification	

## CIP 19.9999 Family & Consumer Sciences/Human Sciences, Other

Course Code	Course Title	Credential	Credential Provider
		Advanced Child Care	American Red Cross
		Babysitter's Training	American Red Cross
		Babysitting Basics	American Red Cross
		Culinary Arts	American Association of Family and Consumer Science
		Early Childhood Education	American Association of Family and Consumer Science
		Education Fundamentals	American Association of Family and Consumer Science
		Family and Community Services	American Association of Family and Consumer Science
		Fashion, Textiles and Apparel	American Association of Family and Consumer Science
		Food Science Fundamentals	American Association of Family and Consumer Science
		Nutrition, Food and Wellness	American Association of Family and Consumer Science
		Personal and Family Finance	American Association of Family and Consumer Science
		Housing & Furnishings Interior Design	American Association of Family and Consumer Science
		Interior Design Fundamentals	American Association of Family and Consumer Science

**CIP 32.0105 Job Seeking/Changing Skills (Diversified Occupations)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
		No Known Industry-Recognized Credentials—See list of "Other Credentials" suitable for all CIPs.	

**INFORMATION TECHNOLOGY**





Course Code	Course Title	Credential	Credential Provider
		CIW Associate Design Specialist	Certification Partners
		CIW Development Associate	Certification Partners
		CIW Web Design Specialist	Certification Partners
		Adobe Certified Associate – Visual Communication Using Adobe Illustrator	Certiport
		Adobe Certified Associate –Graphic Design & Illustration Using Adobe Illustration	Certiport
		Adobe Certified Associate – Visual Communication Using Adobe Photoshop	Certiport
		Adobe Certified Associate – Print & Design Media Publication Using Adobe Indesign	Certiport
		Adobe Certified Associate – Rich Media Communication	Certiport
		Adobe Certified Associate – Visual Communication	Certiport
		Adobe Certified Associate – Web Communication	Certiport

Course Code	Course Title	Credential	Credential Provider
		Internet and Computing Core Certification (IC3)	Certiport
		International Computer Driving License (ICDL)	International Computer Driving License-US

**CIP 11.0201 Computer Programming/Programmer, General**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
10151	Business Programming	Cisco Certified - Design Associate (CCDA)	Cisco
10152	Computer Programming	Cisco Certified - Entry Networking Technician (CCENT)	Cisco
10153	Visual Basic Programming		Cisco
10154	C++ Programming	Cisco Certified - Network Associate (CCNA)	
10155	Java Programming	A +	Computing Technology Industry Association (CompTIA)
10156	Computer Programming –Other Language	IT Fundamentals	Computing Technology Industry Association (CompTIA)
10157	Computer Programming Science A	Network +	Computing Technology Industry Association (CompTIA)
		Security +	Computing Technology Industry Association (CompTIA)
		Server +	Computing Technology Industry Association (CompTIA)
		Microsoft Certified Professional (MCP)	Microsoft
		Microsoft Office Specialist – Access	Microsoft
		Microsoft Office Specialist – Excel	Microsoft
		Microsoft Office Specialist – PowerPoint	Microsoft
		Microsoft Office Specialist – Word	Certiport
		Microsoft Office Master	Certiport
		Microsoft Office Specialist – Access	Certiport
		Microsoft Office Specialist – Excel	Certiport
		Microsoft Office Specialist – Excel Expert	Certiport

Course Code	Course Title	Credential	Credential Provider
		Microsoft Office Specialist – Outlook	Certiport
		Microsoft Office Specialist – PowerPoint	Certiport
		Microsoft Office Specialist – Project	Certiport
		Microsoft Office Specialist – Word	Certiport
		Microsoft Office Specialist – Word Expert	Certiport
		Microsoft Technology Associate –Cloud Fundamentals	Certiport
		Microsoft Technology Associate – Database Administration Fundamentals	Certiport
		Microsoft Technology Associate (MTA)- Application Developer Fundamentals	Certiport
		Microsoft Technology Associate – Mobility and Devise Fundamentals	Certiport
		Microsoft Technology Associate – Networking Fundamentals	Certiport
		Microsoft Technology Associate – Security Fundamentals	Novell
		Microsoft Technology Associate – Server Fundamentals	Certiport
		Microsoft Technology Associate – Software Developer Fundamentals	Oracle
		Microsoft Technology Associate – Windows Operating System	International Computer Driving License – US





Course Code	Course Title	Credential	Credential Provider
10201	Web Page Design	Adobe Certified Associate-Visual Communication	Certiport
10202	Computer Graphics	Using Adobe Photoshop	Certiport
10203	Interactive Media	Adobe Certified Associate-Graphic Design & Illustration Using Adobe Illustration	Certiport
		Adobe Certified Associate-Print & Design Media	Certiport
		Publication Using Adobe Indesign	Certiport
		Adobe Certified Associate-Rich Media	Certiport



Course Code	Course Title	Credential	Credential Provider
		Communication	Certiport
		Adobe Certified Associate-Video Communication	Certification Partners
		Adobe Certified Associate-Visual Communication	Certification Partners
		Adobe Certified Associate-Web Communication	Certiport
		CIW Associate Design Specialist	International Computer Driver License-US
		CIW Site Development Associate	World Association of Webmasters (WOW)
		CIW Web Design Specialist	
		Internet and Computing Core Certification (IC3)	
		International Computer Driver License (ICDL)	
		Certified Web Professional (Various Titles – Apprentice, Associate and Professional Levels)	



Cour se Code	Course Title	Credential	Credential Provider
1010 1	Network Technology	Cisco Certified - Network Associate (CCNA)	Cisco
1010 2	Network Systems	Entry Networking Technician (CCENT)	Cisco
1010 3	Area Network Design and Protocols	A+	Computing Technology Industry Association (CompTIA)
1010 4	Router Basics	IT Fundamentals	Computing Technology Industry Association (CompTIA)
1010 5	NewWare Routing	Linux+	Computing Technology Industry Association (CompTIA)
1010 6	Wide Area Telecommunications and Networking	Network+	Computing Technology Industry Association (CompTIA)
1010 7	Wireless Networks	Security+	Computing Technology Industry Association (CompTIA)
1010 8	Network Security	Server+	Computing Technology Industry Association (CompTIA)
1010 9	Essentials of Network Operating Systems	Client Pro	Test Out
1011 0	Microsoft Certified Profess.	Desktop Pro	Test Out
		Linux Pro	Test Out
		PC Pro	Test Out
		Network Pro	Test Out
		Routing Pro	Test Out
		Security Pro	Test Out
		Server Pro-Install & Configure	Test Out
		Server Pro-Manage & Administer	Test Out
		Switching Pro	Microsoft
		Microsoft Certified Professional (MCP)	Novell
		Certified Novell Administrator (CNA)	Oracle
		Oracle Certification (path based on product)	Certification Partners
		CIW Associate Design	Certification Partners

Course Code	Course Title	Credential	Credential Provider
		CIW Site Development Specialist	Certiport
		CIW Web Design Specialist	Certiport
		Microsoft Technology Associate (MTA)- Database Administration Fundamentals	Certiport
		Microsoft Technology Associate (MTA)- Networking	Certiport

Course Code	Course Title	Credential	Credential Provider
		Fundamentals	
		Microsoft Technology Associate (MTA)-Security Fundamentals	Certiport
		Microsoft Technology Associate (MTA)-Server Fundamentals	Microsoft Microsoft
		Microsoft Technology Associate (MTA)-Software Developer Fundamentals	Microsoft Microsoft
		Microsoft Technology Associate (MTA)-Windows Operating System Fundamentals	Certiport Certiport
		Microsoft Office Specialist-Access	Certiport Certiport
		Microsoft Office Specialist-Excel	Certiport
		Microsoft Office Specialist-Powerpoint	Certiport Certiport
		Microsoft Office Specialist-Word	Certiport
		Microsoft Office Master	Certiport
		Microsoft Office Specialist-Word	Certiport
		Microsoft Office Specialist – Access	Certiport
		Microsoft Office Specialist – Excel	C-TECH
		Microsoft Office Specialist – Excel Expert	C-TECH
		Microsoft Office Specialist – Outlook	International Computer Driver License-US
		Microsoft Office Specialist – PowerPoint	
		Microsoft Office Specialist – Project	



Course Code	Course Title	Credential	Credential Provider
10001	Introduction to Computers	Cisco Certified - Network Associate (CCNA)	Cisco
10002	Computing Systems	Cisco Certified - Entry Networking Technician (CCENT)	Cisco
10003	Computer and Information Tech	A+	Computing Technology Industry Association (CompTIA)
10004	Computer Applications	Network+	Computing Technology Industry Association (CompTIA)
10005	Business Computer Applications	Server+	Computing Technology Industry Association (CompTIA)
10006	Telecommunications	Security+	Computing Technology Industry Association (CompTIA)
		IT Fundamentals	Microsoft
		Microsoft Office Specialist-Access	Microsoft
		Microsoft Office Specialist-Excel	Microsoft
		Microsoft Office Specialist-Powerpoint	Microsoft
		Microsoft Office Specialist-Word	Microsoft
		Microsoft Certified Professional (MCP)	Novell
		Certified Novell Administrator (CNA)	Oracle
		Oracle Certification (path based on product)	Certiport

Course Code	Course Title	Credential	Credential Provider
		Microsoft Office Master	Certiport
		Microsoft Office Specialist - Word	Certiport
		Microsoft Office Specialist - Access	Certiport
		Microsoft Office Specialist - Excel	Certiport
		Microsoft Office Specialist - Excel Expert	Certiport
		Microsoft Office Specialist - Outlook	Certiport
		Microsoft Office Specialist - PowerPoint	Certiport
		Microsoft Office Specialist - Project	Certiport
		Microsoft Office Specialist - Word Expert	Certiport
		Microsoft Technology Associate (MTA)- Database Administration Fundamentals	Certiport
		Microsoft Technology Associate (MTA)- Networking Fundamentals	Certiport
		Microsoft Technology Associate (MTA)-Security Fundamentals	Certiport
		Microsoft Technology Associate (MTA)-Server Fundamentals	International Computer Driver License-US
		Microsoft Technology Associate (MTA)- Software Developer Fundamentals	
		Microsoft Technology Associate (MTA)-	







Course Code	Course Title	Credential	Credential Provider
11051	Information Management	Cisco Certified - Network Associate (CCNA)	Cisco
11052	Database Management and Data Warehousing	Entry Networking Technician (CCENT)	Cisco
11053	Data Applications	A+	Computing Technology Industry Association (CompTIA)
11054	Data System/ Processing	Network+	Computing Technology Industry Association (CompTIA)
12051	Introductory Business	Security+	Computing Technology Industry Association (CompTIA)
12052	Business Management	Server+	Computing Technology Industry Association (CompTIA)
12053	Entrepreneurship	IT Fundamentals	Computing Technology Industry Association (CompTIA)
12054	Business Law	Microsoft Certified Professional (MCP)	Microsoft
12055	Business Principles and Management	Microsoft Office Specialist-Access	Microsoft
12056	International Business and Marketing	Microsoft Office Specialist-Excel	Microsoft
12057	Human Resources and Labor Relations	Microsoft Office Specialist-PowerPoint	Microsoft
12058	Human Resources Management	Microsoft Office Specialist-Word	Certiport
		Internet and Computing Core Certification (IC3)	Certiport
		Microsoft Office Master	Certiport
		Microsoft Office Specialist - Word	Certiport
		Microsoft Office Specialist	Certiport

Course Code	Course Title	Credential	Credential Provider
		– Access	
		Microsoft Office Specialist – Excel	Certiport
		Microsoft Office Specialist – Excel Expert	Certiport
		Microsoft Office Specialist – Outlook	Certiport
		Microsoft Office Specialist – PowerPoint	Certiport
		Microsoft Office Specialist – Project	Novell
		Microsoft Office Specialist – Word Expert	Oracle
		Certified Novell Administrator (CNA)	International Computer Driver License-US
		Oracle Certification (path based on product)	
		International Computer Driver License (ICDL)	

**LAW, PUBLIC SAFETY & SECURITY**



Course Code	Course Title	Credential	Credential Provider
		Basic Wildland Firefighter/PA 130	Pennsylvania State Fire Academy
		Certificate of Training – Basic Rigging for Rope Rescue	Pennsylvania State Fire Academy
		Certificate of Training – Basic Vehicle Rescue Awareness	Pennsylvania State Fire Academy
		Certificate of Training – Basic Vehicle Rescue Operations	Pennsylvania State Fire Academy
		Certificate of Training – Emergency Response to Terrorism Basic Concepts	Pennsylvania State Fire Academy
		Certificate of Training – Hazardous Materials First Responder Awareness	Pennsylvania State Fire Academy
		Certificate of Training – Incident Command System	Pennsylvania State Fire Academy
		Certificate of Training – PA Essentials of Firefighting	Pennsylvania State Fire Academy
		Certificate of Training – Recognition and Identification of Hazardous Materials	Pennsylvania State Fire Academy
		Certificate of Training – Rope Rescue I	Pennsylvania State Fire Academy
		Certificate of Training –	Personal Protection Consultants, Inc.

Course Code	Course Title	Credential	Credential Provider
		Rope Rescue II	Personal Protection Consultants, Inc.
		MDTS	Personal Protection Consultants, Inc.
		MOAB	Personal Protection Consultants, Inc.
		OCAAT	Personal Protection Consultants, Inc.
		PATH	Personal Protection Consultants, Inc.
		PPBT	Personal Protection Consultants, Inc.
		First Responder	Pennsylvania Department of Health
		Emergency Medical Technician (EMT)	Pennsylvania Department of Health
		Certified Protection Officer, CPO	Pennsylvania Department of Health
		NIMS IS100	International Foundation for Protection Officers
		NIMS IS 200	Emergency Management Institute
		NIMS IS 700	Emergency Management Institute
		NIMS IS 800	Emergency Management Institute
		BLS Healthcare Provider	Emergency Management Institute
		BLS Healthcare Provider	American Heart Association
		Emergency Telecommunicator (ETC)	Pennsylvania Department of Health
		Public Safety Telecommunicator	The National Academies of Emergency Dispatch
			APCO Institute





Course Code	Course Title	Credential	Credential Provider
		Basic Wildland Firefighter/PA-130	Pennsylvania State Fire Academy
		Certificate of Training – Basic Rigging for Rope Rescue	Pennsylvania State Fire Academy
		Certificate of Training – Basic Vehicle Rescue Operations	Pennsylvania State Fire Academy
		Certificate of Training – Basic Vehicle Rescue Awareness	Pennsylvania State Fire Academy
		Certificate of Training – Emergency Response to Terrorism Basic Concepts	Pennsylvania State Fire Academy
		Certificate of Training – Hazardous Materials First Responder Awareness	Pennsylvania State Fire Academy

Course Code	Course Title	Credential	Credential Provider
		Certificate of Training – Incident Command System	Pennsylvania State Fire Academy
		Certificate of Training – PA Essentials of Firefighting	Pennsylvania State Fire Academy
		Certificate of Training – Recognition and Identification of Hazardous Materials	Pennsylvania State Fire Academy
		Certificate of Training– Rope Rescue I	Pennsylvania State Fire Academy
		Certificate of Training– Rope Rescue II	Pennsylvania Department of Health
		First Responder	Pennsylvania Department of Health
		Emergency Medical Technician (EMT)	Pennsylvania Department of Health
		NIMS IS 100	Emergency Management Institute
		NIMS IS 200	Emergency Management Institute
		NIMS IS 700	Emergency Management Institute
		NIMS IS 800	Emergency Management Institute

**CIP 43.9999 Homeland Security, Law Enforcement, Firefighting & Related Protective Services, Other**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
1505 1	Criminal Justice	Basic Wildland Firefighter/PA-130	Pennsylvania State Fire Academy
1505 2	Corrections	Certificate of Training – Basic Vehicle Rescue Awareness	Pennsylvania State Fire Academy
1510 1	Public Safety	Certificate of Training – Basic Vehicle Rescue Operations	Pennsylvania State Fire Academy Pennsylvania State Fire Academy
1510 2	Security Services	Certificate of Training – Basic Rigging for Rope Rescue	Pennsylvania State Fire Academy
		Certificate of Training – Emergency Response to Terrorism Basic Concepts	Pennsylvania State Fire Academy
		Certificate of Training – Hazardous Materials First Responder Awareness	Pennsylvania State Fire Academy
		Certificate of Training – Incident Command System	Pennsylvania State Fire Academy Pennsylvania State Fire Academy
		Certificate of Training – PA Essentials of Firefighting	Pennsylvania State Fire Academy
		Certificate of Training – Recognition and Identification of Hazardous Materials	Pennsylvania State Fire Academy
		Certificate of Training – Rope Rescue I	APCO Institute
		Certificate of Training – Rope Rescue II	Pennsylvania Department of Health
		Public Safety Telecommunicator, 1 (PST1)	American Heart Association Pennsylvania Department of Health

Course Code	Course Title	Credential	Credential Provider
		(FOH)	Health
		First Responder	American Safety & Health Institute
		BLS Health-care Provider	Pennsylvania Department of Health
		BLS Health-care Provider	
		CPR and AED	
		Emergency Medical Technician (EMT)	International Foundation for Protection Officers
		Certified Protection Officer, CPO	Emergency Management Institute
		NIMS IS 100	Emergency Management Institute
		NIMS IS 200	Emergency Management Institute
		NIMS IS 700	Emergency Management Institute
		NIMS IS 800	Total Control Training Institute
		Spontaneous Knife Defense	The National Academies of Emergency Dispatch
		Emergency Telecommunicator (ETC)	Personal Protection Consultants, Inc.
		MDTS	Personal Protection Consultants, Inc.
		MOAB	Personal Protection Consultants, Inc.
		OCAT	
		PATH	Personal Protection Consultants, Inc.
		PPBT	Personal Protection Consultants, Inc.

## MANUFACTURING

## CIP 15.0303 Electrical, Electronic & Communications Engineering Technology/ Technician

Course Code	Course Title	Credential	Credential Provider
		Certified Electronics Technician Associate (CETa)	Electronics Technicians Association, International
		Student Electronics Technician (SET)	Electronics Technicians Association, International
		Customer Service Specialist	Electronics Technicians Association, International
		EM1-DC Basics	Electronics Technicians Association, International
		EM2-AC Basics	Electronics Technicians Association, International
		EM4-Digital Basics	Electronics Technicians Association, International

## CIP 15.0403 Electromechanical Technology/Electromechanical Engineering Technology

Course Code	Course Title	Credential	Credential Provider
		AM/IST Level I	Industrial Maintenance Training Center of PA

## CIP 15.1301 Drafting & Design Technology/Technician General

Course Code	Course Title	Credential	Credential Provider
2110 1	Drafting Careers Exploration	Certified Drafter	American Design Drafting Association
2110 2	Drafting-General	Autodesk Certified Drafter	
2110 3	Drafting-Architectural		Autodesk
2110 4	Drafting-Civil/Structural		
2110 5	Drafting-Electrical/Electronic		
2110 6	Drafting-Technical/Mechanical		
2110 7	CAD Design and Software		
2110 8	Blueprint Reading		

## CIP 47.0199 Electrical/Electronics Maintenance & Repair Technology, Other

Course Code	Course Title	Credential	Credential Provider
		NC3 Electronics/Electrical Certification	National Coalition of Certification Centers



## CIP 48.0501 Machine Tool Technology/Machinist

Course Code	Course Title	Credential	Credential Provider
13203	Machining	NIMS CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills, Inc.
		NIMS CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I CNC Turning	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I CNC Milling	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Milling	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Surface Grinding	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Turning Between Centers	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Turning with Chucking	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Drill Press Operations	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Measurement, Materials and Safety	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Planning, Benchwork, Layout	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level II	National Institute for Metalworking Skills, Inc.
	National Institute for Metalworking Skills, Inc.		

## CIP 48.0506 Sheet Metal Technology/Sheetworking

Course Code	Course Title	Credential	Credential Provider
		No Known Industry-Recognized Credentials – See list of “Other Credentials” suitable for all CIPs.	

## CIP 48.0508 Welding Technology/Welder

Course Code	Course Title	Credential	Credential Provider
13207	Welding	Certified Welder	American Welding Society
		Level I – Entry Welder	American Welding Society
		Level II - Advanced Welder	American Welding Society
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER)
		S/P2 – Welding	S/P2

**CIP 48.0599 Precision Metal Working, Other**

Course Code	Course Title	Credential	Credential Provider
13201	Metalwork Occupations	NIMS CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills, Inc.
13202	Metalworking	NIMS CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I CNC Milling	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I CNC Turning	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Milling	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Surface Grinding	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Turning Between Centers	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Turning with Chucking	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Drill Press Operations	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Measurement, Materials and Safety	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Planning, Benchwork, Layout	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level II	National Institute for Metalworking Skills, Inc.
			National Institute for Metalworking Skills, Inc.

## CIP 48.0703 Cabinetmaking & Millwork

Course Code	Course Title	Credential	Credential Provider
		NCCER credentials (various trades)	National Center for Construction Education and Research (NCCER) Pennsylvania Builders Association
		Pennsylvania Builders Association Skills Certificate	

**CIP 48.9999 Precision Production, Other**

Course Code	Course Title	Credential	Credential Provider
		NIMS CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills, Inc.
		NIMS CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I CNC Milling	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I CNC Turning	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Milling	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Surface Grinding	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Drill Press Operations	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Turning Between Centers	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Manual Turning with Chucking	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Measurement, Materials and Safety	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level I Planning, Benchwork, Layout	National Institute for Metalworking Skills, Inc.
		NIMS Machining Level II	National Institute for Metalworking Skills, Inc.
			National Institute for Metalworking Skills, Inc.

## MARKETING, SALES & SERVICE

### CIP 19.0905 Apparel & Textile Marketing Management

Course Code	Course Title	Credential	Credential Provider
1920 1	Clothing and Textiles	Fashion Design and Textiles	American Association of Family and Consumer Sciences
1920 2	Clothing/Textile Maintenance		
1920 3	Apparel Construction		
1920 4	Apparel and Textile Services		
1920 5	Home Furnishing		
1920 6	Home Furnishings Production		



## CIP 47.0106 Appliance Installation & Repair Technology/Technician

Course Code	Course Title	Credential	Credential Provider
		NAMA certification, levels I & II	National Automatic Merchandising Assoc.

## CIP 52.1801 Sales, Distribution & Marketing Operations, General

Course Code	Course Title	Credential	Credential Provider
1215 2	Marketing-Comprehensive	Certified Rooms Division Specialist (CRDS)	American Hotel & Lodging Association
1215 3	Marketing-Fashion	A*S*K Certification	A*S*K Institute
1215 4	Marketing-Real Estate		
1215 5	Marketing-Transportation		
1215 6	Marketing-Food/Beverage Industry		
1215 7	Marketing-Insurance		
1215 8	Marketing-Floristry		
1215 9	Marketing-Hospitality/Tourism		
1216 0	Marketing-Merchandising		
1216 1	Retail Marketing		
1216 2	Internet Marketing		
1216 3	Sports and Entertainment Marketing		
1216 4	Principles of Marketing		
1216 5	Principles of Advertising		
1216 6	Marketing Management		

## CIP 52.1907 Vehicle & Vehicle Parts & Accessories Marketing

Course Code	Course Title	Credential	Credential Provider
		S/P2 Safety & Pollution Prevention	S/P2
		S/P2 Automotive	S/P2

## SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

**CIP 15.0399 Electrical & Electronic Engineering Technologies/Technicians,  
Other**

Course Code	Course Title	Credential	Credential Provider
		Student Electronics Technician (SET)	Electronics Technicians Association, International
		Associate Certified Electronics Technician (CETa)	Electronics Technicians Association, International
		001 and 610 Certifications	Association Connecting Electronics Industries
		IPC J-STD-001 Certification	ICP-Association Connecting Electronic Industries
		IPC-A-610 Certification	ICP-Association Connecting Electronic Industries

**CIP 15.9999 Engineering Technologies/Technicians, Other**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
21001	Pre-Engineering Technology	Certified Drafter	American Design Drafting Association
21002	Engineering Applications	Cisco Certified - Network Associate (CCNA)	Cisco Systems
21003	Engineering Technology	Cisco Certified - Entry Networking Technician (CCENT)	Cisco Systems
21004	Principals of Engineering	A+	Computing Technology Industry Association (CompTIA)
21005	Engineering-Comprehensive	Network+	Computing Technology Industry Association (CompTIA)
21006	Engineering Design	Security+	Computing Technology Industry Association (CompTIA)
21007	Engineering Design and Development	Server+	Computing Technology Industry Association (CompTIA)
21008	Digital Electronics	IT Fundamentals	Computing Technology Industry Association (CompTIA)
21009	Robotics	Certified Electronics Technician (CETa)	Electronics Technicians Association, International
21010	Computer Integrated Manufacturing	Student Electronics Technician (SET)	Electronics Technicians Association, International
21011	Civil Engineering	Microsoft Certified Professional (MCP)	Microsoft
21012	Civil Engineering and Architecture	Microsoft Office Specialist-Access	Microsoft
21013	Aerospace Engineering	Microsoft Office Specialist-Excel	Microsoft
21014	Biotechnology Engineering	Microsoft Office Specialist-PowerPoint	Microsoft
		Microsoft Office Specialist-Word	Certiport
			Certiport

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
		Microsoft Office Master	Certiport
		Microsoft Office Specialist – Access	Certiport
		Microsoft Office Specialist – Excel	Certiport
		Microsoft Office Specialist – Excel Expert	Certiport
		Microsoft Office Specialist – Outlook	Certiport
		Microsoft Office Specialist – PowerPoint	Certiport
		Microsoft Office Specialist – Project	Novell
		Microsoft Office Specialist – Word	Oracle
		Microsoft Office Specialist – Word Expert	Autodesk
		Certified Novell Administrator (CNA)	C-TECH
		Oracle Certification (path based on product)	
		Autodesk certified user	
		Network Cabling Specialist-Copper Wire	

### **CIP 26.1201 Biotechnology**

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
		OSHA Certification-Healthcare	CareerSafe

**TRANSPORTATION, DISTRIBUTION & LOGISTICS**



## **CIP 47.0302 Heavy Equipment Maintenance Technology/Technician**

Course Code	Course Title	Credential	Credential Provider
		Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
		S/P2 Safety & Pollution Prevention	S/P2
		S/P2 Automotive	S/P2
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat II	PA Department of Transportation
		Certified Safety Inspector Cat III	PA Department of Transportation
		CDL/A	PA Department of Transportation
		CDL/B	PA Department of Transportation
		Fork Lift Operator	PA Department of Transportation
		Section 609 Certification for Refrigerant Recycling and Recovery	National Safety Council
		NCCER credentials (various trades)	Mobile Air Conditioning Society Worldwide
		Section 609 Certification for Refrigerant Recycling and Recovery	National Center for Construction Education and Research (NCCER)
		S/P2 – Heavy Duty	National Inst. For Automotive Service Excellence

Course Code	Course Title	Credential	Credential Provider
		Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
		S/P2 Safety & Pollution Prevention	S/P2
		S/P2 Automotive	S/P2
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat II	PA Department of Transportation
		Certified Safety Inspector Cat III	PA Department of Transportation
		CDL/A	National Safety Council
		CDL/B	Mobile Air Conditioning Society Worldwide
		Fork Lift Operator	
		Section 609 Certification for Refrigerant Recycling and Recovery	National Center for Construction Education and Research (NCCER)
		NCCER credentials (various trades)	National Inst. For Automotive Service Excellence
		Section 609 Certification for Refrigerant Recycling and Recovery	S/P2
		S/P2 – Heavy Duty	

## CIP 47.0603 Autobody/Collision & Repair Technology/Technician

Course Code	Course Title	Credential	Credential Provider
		AYES Certificate	Automotive Youth Educational Systems (AYES)
		Automotive Service Excellence (ASE)	National Automotive Technicians Education Foundation
		Certified Emissions Inspector	PA Department of Transportation
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat II	PA Department of Transportation
		S/P2 Safety & Pollution Prevention	S/P2
		S/P2 Automotive	I-CAR
		I-CAR, various levels	AC Delco
		Battery Starting and Charging System	AC Delco
		Electrical State 1 & 2	Valvoline
		Motor Oil Certification	Hunter Engineering Company
		Advanced Alignment Level III	National Inst. For Automotive Service Excellence
		Section 609 Certification for Refrigerant Recycling and Recovery	PPG
		Blue Level Industry Certification	Automotive Scanner Diagnostics Mobile Air Conditioning Society
		Snap-On Section 609 Certification for Refrigerant Recycling and Recovery	



Course Code	Course Title	Credential	Credential Provider
		AYES Certificate	Automotive Youth Educational Systems (AYES)
		Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
		Section 609 Certification for Refrigerant Recycling and Recovery	Mobile Air Conditioning Society Worldwide
		Section 609 Certification for Refrigerant Recycling and Recovery	National Institute for Automotive Service Excellence
		Certified Emissions Inspector	PA Department of Transportation
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat II	PA Department of Transportation
		Certified Safety Inspector Cat III	S/P2
		S/P2 Safety & Pollution Prevention	AC Delco

Course Code	Course Title	Credential	Credential Provider
		S/P2 Automotive	AC Delco
		Electrical State 1 & 2	Valvoline
		Battery Starting and Charging System	National Coalition of Certification Centers
		Motor Oil Certification	ICP-Association Connecting Electronics
		NC3 Electronics/Electrical Certification	ICP-Association Connecting Electronics
		IPC-A-610 Certification	Hunter Engineering Company
		IPC-J-STD-001 Certification	Automotive Scanner Diagnostics
		Advanced Alignment Level III	National Automotive Technicians Education Foundation
		Snap-On	
		Automotive Service Excellence (ASE)	

## CIP 47.0613 Medium/Heavy Vehicle & Truck Technology/Technician

Course Code	Course Title	Credential	Credential Provider
		AYES Certificate	Automotive Youth Educational Systems (AYES)
		Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
		Get Ahead	Daimler Trucks North America
		Section 609 Certification for Refrigerant Recycling and Recovery	Mobile Air Conditioning Society Worldwide
		Automotive Service Excellence (ASE)	National Automotive Technicians Education Foundation
		Certified Emissions Inspector	PA Department of Transportation
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat III	PA Department of Transportation
		S/P2 Automotive	S/P2
		S/P2 Safety & Pollution Prevention	S/P2
		Heavy Duty	National Institute for Automobile Service Excellence
		Section 609 Certification for Refrigerant Recycling and Recovery	



## CIP 47.0699 Vehicle Maintenance & Repair Technologies, Other

Course Code	Course Title	Credential	Credential Provider
		Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
		Automotive Service Excellence (ASE)	National Automotive Technicians Education Foundation
		Certified Emissions Inspector	PA Department of Transportation
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat II	PA Department of Transportation
		Certified Safety Inspector Cat III	S/P2
		S/P2 Safety & Pollution Prevention	S/P2
		S/P2 Automotive	Mobile Air Conditioning Society Worldwide
		Section 609 Certification for Refrigerant Recycling and Recovery	National Institute for Automotive Service Excellence
		Section 609 Certification for Refrigerant Recycling and Recovery	Briggs and Stratton Corporation
		Master Service Technician	

## CIP 49.0202 Construction/Heavy Equipment/Earthmoving Equipment Operation

Course Code	Course Title	Credential	Credential Provider
		Outdoor Power Equipment Technician Certification	Equipment & Engine Training Council
		Certified Safety Inspector Cat I	PA Department of Transportation
		Certified Safety Inspector Cat II	PA Department of Transportation
		Certified Safety Inspector Cat III	PA Department of Transportation
		CDL/A	PA Department of Transportation
		CDL/B	Mobile Air Conditioning Society Worldwide
		Section 609 Certification for Refrigerant Recycling and Recovery	S/P2
		S/P2 Automotive	National Institute for Automotive Service Excellence
		Section 609 Certification for Refrigerant Recycling and Recovery	National Safety Council
		Fork Lift Operator	

## CIP 52.0203 Logistics, Materials & Supply Chain Management

Course Code	Course Title	Credential	Credential Provider
		Fork Lift Operator	National Safety Council
		Certified Logistics Associate	Manufacturing Skill Standards Council
		Certified Logistics Technician	Manufacturing Skill Standards Council

### OTHER CREDENTIALS

This table includes Credentials that may be applicable to multiple career and technical education programs.

Course Code	Course Title	Credential	Credential Provider
All CIPS		OSHA Certification	CareerSafe

## APPENDIX A

The following Credentials are not considered High Priority.

Course Code	Course Title	Credential	Credential Provider
47.0201		NATE Certification (various certification exams)	North American Technician Excellence (NATE)
52.1801		National Professional Certification in Customer Service	National Retail Federation Foundation
43.0107		Hazardous Materials Response- Awareness	Michigan State University/ Emergency Response Solutions
43.0203		Hazardous Materials Response- Awareness	Michigan State University/ Emergency Response Solutions
43.9999		Hazardous Materials Response- Awareness	Michigan State University/ Emergency Response Solutions
51.0904		Hazardous Materials Response- Awareness	Michigan State University/ Emergency Response Solutions
19.0708		CDA-Ready, Certificate	PDE/BCTE
46.0101		Various Ladder Certifications	American Ladder Institute
46.0201		Various Ladder Certifications	American Ladder Institute

<b>Course Code</b>	<b>Course Title</b>	<b>Credential</b>	<b>Credential Provider</b>
47.0201		NATE Certification (various certification exams)	North American Technician Excellence (NATE)
52.1801		National Professional Certification in Customer Service	National Retail Federation Foundation
43.0107		Hazardous Materials Response- Awareness	Michigan State University/ Emergency Response Solutions
43.0203		Hazardous Materials Response- Awareness	Michigan State University/ Emergency Response Solutions
46.0399		Various Ladder Certifications	American Ladder Institute
46.0401		Various Ladder Certifications	American Ladder Institute
46.0503		Various Ladder Certifications	American Ladder Institute
47.0201		Various Ladder Certifications	American Ladder Institute
15.0303		Various Ladder Certifications	American Ladder Institute
12.0401		Various Cosmetology Licenses/Certifications	Pennsylvania Department of State, State Board of Cosmetology
12.0401		S/P2 – Cosmetology	S/P2

## PROCESS FOR REQUESTING NEW INDUSTRY CREDENTIALS

1. Submit application by November 30 to:

Beth Marshall

Pennsylvania Department of Education  
Bureau of Career and Technical Education

333 Market Street, 11<sup>th</sup> Floor, Harrisburg, PA 17126-0333

2. Request is reviewed by director, program specialist and industry credential coordinator. Determination is made whether or not to move forward with the request.
3. If moving forward, the industry credential will be added to the CATS system and placed in the PIMS manual for the following school year.
4. The industry credential will be added to the Industry Credential Resource Book.

Questions? Please contact Beth Marshall (717) 783-6860 or [betmarshal@pa.gov](mailto:betmarshal@pa.gov)

## APPLICATION FOR INDUSTRY CREDENTIALS

Name: Click here to enter text.

Institution: Click here to enter text.

Phone: Click here to enter text.

Email: Click here to enter text.

Name of Industry Credential: Click here to enter text.

Check one of the following:

Government Based

Industry Based

Product Based

Check one of the following:

State Association

National Association

State Licensure

Check all that apply:

Product defines the industry

Can be earned at the secondary level

Classification of Instructional Program (CIP) aligned to the industry credential:

Click here to enter text.

List all High Priority Occupation (HPO) Standard Occupational Classification (SOC) that align the industry credential to the CIP:

<http://www.workstats.dli.pa.gov/Products/HPOs/Pages/default.aspx>

Click here to enter text.

Description of industry credential:

Click here to enter text.

Website address for industry credential:

Click here to enter text.

Attach Occupational Advisory Committee meeting minutes that verify the industry credential is **necessary** to obtain employment or advance within an occupation.

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Signature of Director

Date

All applications are due November 30 for the following academic year.