

Pennsylvania's New & Emerging Occupations

In order to be more responsive to the needs of the current and future economy, the PA Department of Labor & Industry is identifying and evaluating occupations that may be eligible for training investments in addition to those aligned with the existing High Priority Occupations¹. Currently these occupations are not adequately covered under the existing classification system² or are emerging as a result of Recovery Act monies, the green economy movement, or health care advances.

The following occupations have been identified as new or emerging within Pennsylvania. The occupations are grouped by Targeted Industry Cluster³:

ADVANCED MATERIALS & DIVERSIFIED MANUFACTURING
Mechatronics Engineers Robotics Engineers Robotics Technicians
BUSINESS & FINANCIAL SERVICES
Loss Prevention Specialists
CONSTRUCTION
Energy Engineers
ENERGY
Energy Auditors Geothermal Installers Mining & Geological Engineering Technicians Renewable Energy Technicians Solar Panel Installers Water Treatment Plant Operators
HEALTH CARE
Anesthesiologist Assistants Cardiac Technicians Critical Care Nurses Interventional Radiological Technologists Nurse Anesthetists Nurse Practitioners
INFORMATION & COMMUNICATION SERVICES
Computer Security Administrators e-Commerce Professionals GIS Specialists Search Engine Optimizers
LOGISTICS & COMMUNICATION
Logistics Analysts RFID Specialists Transportation Planners

¹ Occupations are designated as high priority when they are in demand by employers, have higher skill needs, and provide family sustaining wages.

² The Standard Occupation Classification System (SOC) is mandated by the US Office of Management and Budget and developed by multi-agency initiative; currently data is collected on 812 SOCs.

³ An Industry Cluster consists of a group of industries that are closely linked by common product markets, labor pools, similar technologies, supplier chains, and/or other economic ties. These clusters are used to develop effective workforce strategies that focus scarce training dollars on existing and projected job opportunities.