

2016-2017 Workforce Development Board Measures

Outreach & Engagement

1. Provide staff-assisted services to a percentage of the labor force that is equal to or larger than the annual **unemployment rate** for the workforce development board (WDB) area.*
2. Provide staff-assisted services to at least **2%** of the youth living in poverty in the counties served by the WDB in the Workforce Innovation and Opportunity Act (WIOA) Youth program.
3. Provide a staff-assisted service to at least **5%** of the total private businesses in the counties served by the WDB.
4. At least **10%** of all private businesses receiving staff-assisted services will be new customers.
5. At least **25%** of all private businesses receiving staff-assisted services will be small businesses (<100 employees).

Skills Gap

6. Provide training (class-room, on-the-job, and/or standardized training) services to at least **3%** of adult participants.*
7. Enroll at least **25%** of youth served in the WIOA Youth program in a work-based learning activity.

Process

8. Each WDB will engage in the creation of at least **two** NCWorks Certified Career Pathways.
9. **100%** of the WDB's career centers will be NCWorks Commission certified career centers.

Outcome

10. Federal measures – Specific measures to be developed by September 30, 2016.

**Includes Adults, Dislocated Workers, and Title III participants*

Advanced Manufacturing Career Pathway

Career Options

Industrial & Technology Manager
Electro-Mechanical Technician
PLC Programmer (\$22-\$45/HR)

Industrial Systems Technician
Process Improvement Technician
Research Technician (\$18-\$28/HR)

Production Supervisor
Industrial Mechanic, Welders
Biological Technician (\$16-\$25/HR)

Production Technician
Machinist, Equipment Operator
Quality Inspector (\$10-\$18/HR)

Entry-Level Production
Maintenance, Installation & Repair
Helpers & Trainees (\$8-\$10/HR)

Training, Certificates & Degrees

Electrical Technology – Bachelors
Industrial Systems – Bachelors
Mechanronics – Associates/Bachelors

Electrical Technology – Associates
Industrial Systems – Associates
Mechanronics

AWS – American Welding Society
PMMI – Packaging Machinery Manufacturers
BioWorks, Siemens Level 1

Certified Production Technician
OSHA, Forklift
NCCER - Construction

High School Diploma
High School Equivalency
NCCRC, GLA – Basic Education

Skills & Abilities

Critical Thinking
Reading Comprehension
Time Management
Instructing & Managing

Communication Skills
Leadership Skills
Time Management
Computer Skills

Reading Comprehension
Communication Skills
Time Management
Problem Solving

Equipment Monitoring
Geometry/Algebra
Communication Skills
Problem Solving

General Mathematics
Communication Skills
Time Management
Problem Solving

Advanced Manufacturing Pathway Options

High School

Non-Degree Training
with Industry CredentialAssociate
DegreeBachelors
DegreeMasters
Degree

High School Learner

Academic Focus before Graduation

- Vocational Training Pathways
 - Manufacturing Production Process Development
 - Quality Assurance
 - Production
 - Maintenance, Installation, & Repair

High School Equivalency/Adult High School

Soft Skills Needed

- Problem Solving Skills
- Time Management
- Stress Management
- Communication Skills
- Self-Awareness
- Self-Management
- Work Ethics

Continuing Education

Training Leading to an Industry Credential

- MSSC: CPT and CLT
- NCCER
- AWS
- Siemens
- PMMI
- GLA
- OSHA (10/40/Forklift)
- NCCRC
- Welding
- BioWork

Career Options

- Siemens Level I Operator
- Siemens - Other
- Instrumentation Technician
- Control Technician
- Production Supervisor
- Machinists
- Manufacturing Production Technicians
- Equipment Repair
- OSHA Specialist
- Metal Workers
- Welders
- Industrial Mechanics
- Quality Inspector
- Quality Process Analyst

Curriculum

College Options

- Mechatronics (A/B/M)
- Industrial Systems (A/B/M)
- Electrical Power Plant Technology (A/B/M)
- Electrical/Electronic Technology (A/B/M)
- Welding (A)
- Biological Technician (A/B/M)

Career Options

- Machinist
- Industrial Systems Technician
- Electrician/ Electronics Technician
- Electrical/ Electronics Maintenance Specialist
- Technical Service Provider
- Process Improvement Technician
- Engineering Technician
- Industrial and Technology Manager
- Research Technician
- Electro-Mechanical Technician
- Electrical Troubleshooter
- PLC programmer
- Operator - Non-nuclear fueled power facilities
- Welder

A= Associate of Applied Science Degree

B=Bachelor's Degree

M=Master's Degree

