

## Knowledge and Skills for the 21st Century Workforce

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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



#### **Course Description**

What knowledge and skills do facilities professionals need in the 21st century? Join us to discuss how to analyze institutional needs to create a custom skilled trades training program, featuring career pathways to support skill enhancement and career advancement. We will offer considerations for managing resources and work schedules to support program participation. We will present strategies to align curriculum and assessments with the critical knowledge and skills. And, we will share how we are utilizing classroom, lab, and on-the-job learning to invest in our employees—attracting and retaining talent.



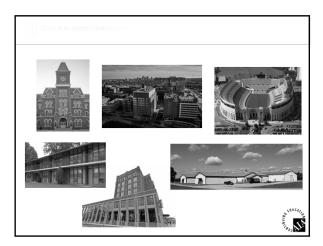
### **Learning Objectives**

Participants will know and be able to:

- Identify the resource commitment required to build a skilled trades training program
- Identify existing resources that will help build a skilled trades training program at their institution
- Analyze their institution's needs (e.g., skills, knowledge) to select and develop curriculum for their skilled trades training program
- Identify how to align the training program with their work schedules



# Context and Need



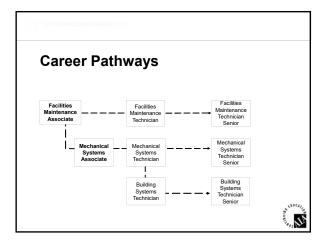
### Efficiency

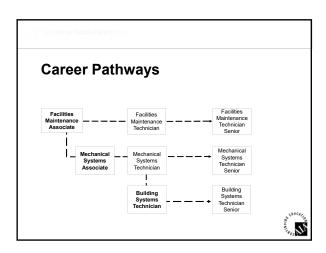
- Multi-skilled workforce
- · Decrease expenses
- Increase customer satisfaction

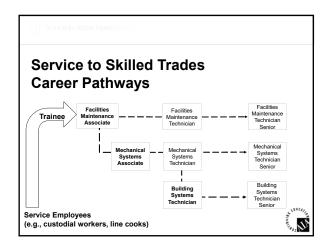
#### **Strategic Efforts**

- Consistency
- Competitive pay
- · Aging workforce
- Attract and retain talent
- · Remain vendor of choice for OSU









# Program Planning and Analysis





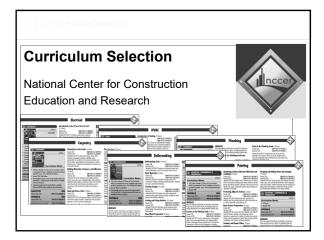
### Classroom Curriculum

### **Curriculum Criteria**

- Key program features, including:
   Coverage
   Customization
   Portability
   Consistence:

  - Consistency
- · Off-the-shelf solutions





# Work-Based Learning

### On-the-Job-Training (OJT) Criteria

To create a simple approach which includes:

- · Focusing on key, important job tasks
- Customizing for unit/site-specific procedures and equipment
- · Allowing for hands-on practice and experience
- Providing real-time, teachable moments for questions, feedback, and correction
- Reinforcing learning from classroom and lab settings
- Minimizing job disruptions (not impeding operations)





### **Assessment**

### **Assessment Criteria**

- Key assessment features, including:
  Coverage
  Customization
  Consistency
  Written and performance components
- Input to professional development planning



### **Assessment Development**

- Utilizing subject matter expertsCreate items

  - Review and validate items
  - · Set cut scores
  - Develop scenarios
  - Refine steps

### **Assessment Administration**





#### **Assessment Results**

- Sharing results with employeesImpacting employee positions
- Informing professional development plans

# Program Implementation

### **Implementation Considerations**

- Communication and collaboration
- · Tracking and reporting
- Scheduling and logistics
  - Training locations
  - Work schedules
  - Transportation



**QUESTIONS?** 



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