## Trades Trainee Program

## Trades Trainee Program

- Objectives
  - Provide a pathway into the trades
    - Current employees
    - Community members
  - Recruit and retain employees who become contributing members to the Northeastern University
  - Increase the diversity of the trades
  - Develop the next generation of trades people who will maintain the built environment at Northeastern
  - Support the University's mission, vision and values
  - Level II Level III



## Common Skillsets I, II, III

- A high school diploma or equivalent, or the math and language skill set equivalent to that of a high school graduate.
- Ability to work effectively, either independently or in a team environment in both routine and emergency situations.
- Possess trade-related math skills appropriate for this level of work; be able to read, write, and understand written and spoken English.
- Able to communicate with all levels of University staff as well as external vendors and inspectors.

## Trades Trainee I

- Completion of or enrollment in formal trade school training in at least one of the following: HVAC/R, Stationary Engineering, Electric, Plumbing, Electronics Technician or related discipline; or have at least two years of relevant on-the-job experience in the trade or a combination of both.
- Possess trade-related math skills appropriate for this level of work; be able to read, write, and understand written and spoken English.
- Focus on the candidate's attitude and ability to learn.
- Paired with mentor (Trades Level III)



## Trades Trainee II

- Candidates must have skills and knowledge normally associated with completion of a formal on-the-job training program and/or at least four years of experience in the trade or related.
- Working knowledge of computer and microcomputer hardware and software used in the applicable trade or formal training and experience.
- Use of trade tools and testing and measuring devices to troubleshoot a wide range of mechanical and controls problems
- Typically achieved in two to three years after starting as Level

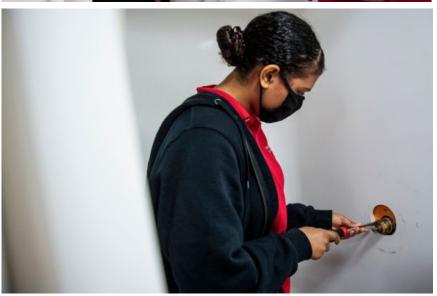
### Trades Level III

- Skills and knowledge normally associated with completion of a formal on-the-job training program and/or at least five years of experience in the trade or related discipline.
- Massachusetts Technician License appropriate for trade.
- Use of trade tools and testing and measuring devices to troubleshoot a wide range of problems.
- Ability to read blueprints, sketches, O&M Manuals, and diagrams; interpret oral instructions to install and troubleshoot required work.













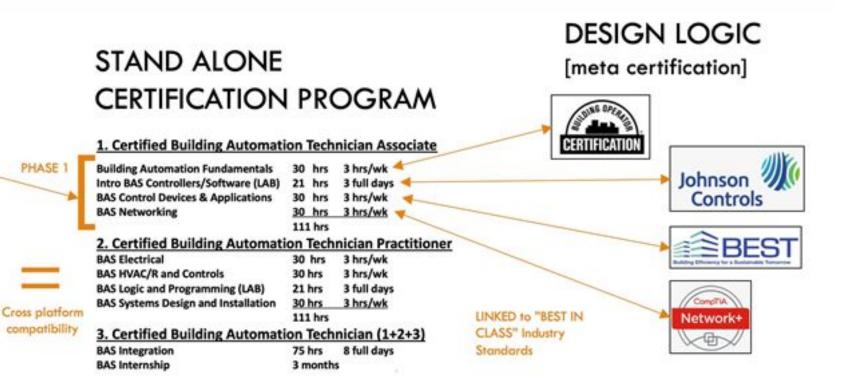




#### Producer of "State of the Art" BAS Technicians

## ASSOCIATED DEGREE PROGRAM

- Curriculum inserted into existing Assoc.
   Degree Engineering program
- Submitted to Nov. CC Meeting
- First class approved by CC in March
- Remainder of classes Curriculum
   Committee mandated that classes be transferrable to a 4 year MASS State degree program
- Chicken or the Egg problem
- Only 2, 4-year BAS programs in the country (Ferris State, PCT)
- Working with Administration to resolve



Modular, stackable, aligned with industry and connected to Assoc. Degree Program





#### State-of-the-art LAB

#### Patrone

Template Improving Connection constructs and of the art beings.

The Company in Artificial Content is based on the USBAT "Will be a set to a content in the property of the content in the content in the content in the content in an artificial content in a content



H-VRST-1 Vertable Refrigerent System Trainer

#### H-RST-21 Mini Split-Type Heat Pump Trainer









- ELEC. DIST. & ENERGY MONITORING TRAINER
- VAV AIR-HANDLING UNIT TRAINER
- PARALLEL-FAN TERMINAL TRAINER
- VAV TERMINAL TRAINER
- TRANSFORMER
- ECONOMIZER UNIT TRAINER
- DC POWER & CIRCUIT TRAINER
- BUILDING CONTROLLER TRAINER
- SB CONTROLLERS & SEQUENCES TRAINER
- GRAPHICAL-USER TRAINER
- AIR DISTRIBUTION/HEAT TRANSFER TRAINER
- ALARM TRAINER
- HYDRONICS TRAINER

# Partnership with Madison Park and Roxbury CC Results

- Internships
  - Auto Shop 2
  - BAS 1
  - Electric Shop-2
  - HVAC Shop 1
- Building Operator Certificate Graduates
  - BAS 1

