



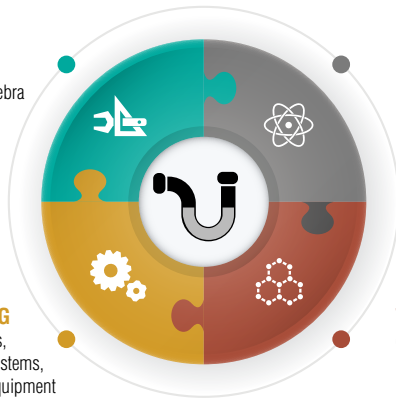
Today's Plumbing and HVAC Careers

The required and portable STEM skills will surprise you.

A knowledgeable and successful workforce in the plumbing-heating-cooling industry is dependent on the skills taught through STEM.

PLUMBING TECHNICIAN STEM SKILL PROFICIENCIES

MATH
geometry, ratios, proportions, algebra



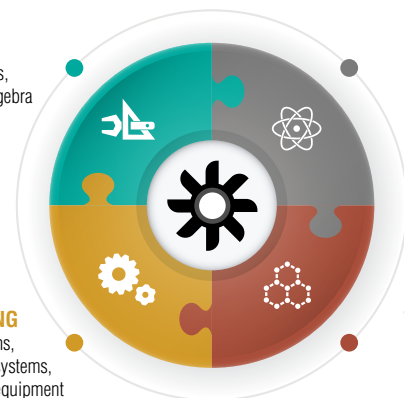
ENGINEERING
building systems, fluid handling systems, appliance and equipment design

SCIENCE
water conservation, energy conservation, biology, chemistry, public health, physics

TECHNOLOGY
circuitry, control systems, instrumentation, meters

HVAC TECHNICIAN STEM SKILL PROFICIENCIES

MATH
geometry, ratios, proportions, algebra



ENGINEERING
building systems, fluid handling systems, appliance and equipment design, duct design and fabrication

SCIENCE
ozone prevention, air quality, biology, chemistry, physics, heat transfer, energy conservation

TECHNOLOGY
circuitry, control systems, instrumentation, meters

Plumbing and HVAC Careers: The Facts Will Surprise You!



High Salaries – Average technician salaries are more than \$49,000 plus benefits.



High Demand – More than 138,000 mechanics and installers will be needed by 2022.



Opportunities for Women – Growth of women in the industry is on the rise.



Cutting-Edge Skill Sets – Today's jobs are highly technical and require a variety of skills such as analyzing and problem solving.



Multiple Career Advancement Paths – Career opportunities range from technicians to tech-savvy CAD and BIM operators to management.



Developed in partnership with PHCC-National Association and the PHCC Educational Foundation.

Source: Bureau of Labor Statistics