

Road to Your Future

Industry Guide for Trades

Assembler, Pre-engineered Buildings ○●

Education and Training	ABC Keystone Apprenticeship (2-year program)
Workforce Preparation Skills	Blueprint and manual reading; toll and equipment operation; structural assembly; component installation; finishing and cleanup; and safety
Credential(s)	Journeyman Certificate

Cabinetmaking & Wood Technology ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Hand/power tools, finishing, shop drawings, CNC basics
Credential(s)	Associate Degree

Carpenter ○●

Education and Training	ABC Keystone Apprenticeship (4-year program)
Workforce Preparation Skills	Install and help fix structures, including office buildings, bridges, industrial facilities, etc. Training in blueprint reading, math, building code requirements, and safety
Credential(s)	Journeyman Certificate

Carpentry Technology ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Blueprint reading, framing, estimating, construction math
Credential(s)	Associate Degree

Civil Engineering & Construction Technology ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Heavy civil construction, surveying, sitework standards
Credential(s)	Associate Degree

Commercial & Industrial Electro-Mechanical Technician ●●

Education and Training	Tec Centro/Thaddeus Stevens (22-week program)
Workforce Preparation Skills	Maintain, calibrate and troubleshoot equipment most used in today's high-tech manufacturing facilities
Credential(s)	Journeyman Certificate

Commercial & Industrial HVAC Technician ●●

Education and Training	Tec Centro/Thaddeus Stevens (22-week program)
Workforce Preparation Skills	Current methods of identifying and performing efficiency evaluations on various types of heating, ventilation, and air-conditioning systems for large buildings or structures such as hospitals, schools, and housing structures
Credential(s)	Journeyman Certificate

Commercial & Industrial Plumbing Technician ●●

Education and Training	Tec Centro/Thaddeus Stevens (22-week program)
Workforce Preparation Skills	Install, repair, and maintain plumbing systems in new and existing commercial and industrial buildings or structures with industrial-grade fixtures, pipes, and outlets
Credential(s)	Journeyman Certificate

Construction Craft Laborer ●●

Education and Training	ABC Keystone Apprenticeship (2-year program)
Workforce Preparation Skills	Tool and equipment proficiency; basic construction knowledge; blueprint and plan reading; measurement and calculation; safety protocols and practices
Credential(s)	Journeyman Certificate

Electrical Construction & Maintenance ●●

Education and Training	Thaddeus Stevens (9-month program=1 school year)
Workforce Preparation Skills	Blueprint reading, wiring plans, NEC, residential/commercial circuits
Credential(s)	Certificate

Electrician ●●

Education and Training	ABC Keystone Apprenticeship (4-year program)
Workforce Preparation Skills	Learn how to connect wires, using specialized equipment like voltmeters and oscilloscopes, and acquire scientific and math skills and safety knowledge
Credential(s)	Journeyman Certificate

Facilities Maintenance Technician ●●

Education and Training	Tec Centro/Thaddeus Stevens (22-week program)
Workforce Preparation Skills	Essential skills training in addition to HVAC, plumbing, electrical work, masonry, and carpentry
Credential(s)	Journeyman Certificate

Heavy Equipment Operator ●●

Education and Training	ABC Keystone Apprenticeship (3-year program)
Workforce Preparation Skills	Learn how to drive, operate, and maintain dump trucks, bulldozers, or other vehicles classified as heavy machinery and how to safely use this equipment to move construction materials, dirt, and other heavy objects at construction sites and mines
Credential(s)	Journeyman Certificate

HVAC (Heating, Ventilation & Air Conditioning) Technician ●●

Education and Training	ABC Keystone Apprenticeship (4-year program)
Workforce Preparation Skills	Install heating and air systems, retrofit duct work, work with refrigeration, and install efficient energy systems like photovoltaics and geothermal technology
Credential(s)	Journeyman Certificate

HVACR (Heating, Ventilation, Air Conditioning & Refrigeration) ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Design/retrofit, testing & balancing, service of large systems
Credential(s)	Associate Degree

Mason ●●

Education and Training	ABC Keystone Apprenticeship (3-year program)
Workforce Preparation Skills	Use bricks, concrete blocks, and natural stones to build attractive, durable surfaces and structures
Credential(s)	Journeyman Certificate

Masonry (Certificate) ●●

Education and Training	Thaddeus Stevens (9-month program=1 school year)
Workforce Preparation Skills	Tool operation, blueprint reading, footings, block/brick, arches
Credential(s)	Certificate

Masonry Construction Technology ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Blueprints, block/brick laying, arches, footings/foundations
Credential(s)	Associate Degree

Plumbing Technology ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Residential/commercial plumbing, hydronic systems, codes
Credential(s)	Associate Degree

Plumber ●●

Education and Training	ABC Keystone Apprenticeship (4-year program)
Workforce Preparation Skills	Assemble pipes, fittings, and valves, locate and detect leaks in plumbing systems, and install appliances like water heaters, dishwashers, and oxygen and medical gas in hospitals
Credential(s)	Journeyman Certificate

Residential Remodeling Technology ●●

Education and Training	Thaddeus Stevens (2-year program)
Workforce Preparation Skills	Demolition/stabilization, estimating/scheduling, drafting/design
Credential(s)	Associate Degree

Roofer ○ ●

Education and Training	ABC Keystone Apprenticeship (3-year program)
Workforce Preparation Skills	Learn types of roofing materials, tools and equipment, measurement, and problem-solving skills
Credential(s)	Journeyman Certificate

Sheet Metal Worker ○ ●

Education and Training	ABC Keystone Apprenticeship (4-year program)
Workforce Preparation Skills	Cut and form metal sheets into various products, including ductwork
Credential(s)	Journeyman Certificate

Institution Contact Information:

ABC Keystone

Phone: (717) 653-8106

<https://abckeystone.org/apprenticeship/>

For a list of sponsoring employers, visit our membership directory at abckeystone.org/member-benefits/abc-keystone-membership-directory/ or contact Randy Doxzon at Randy@abckeystone.org

IU13 Community Education

Phone: (717) 606-1708

<https://www.iu13.org/community/community-education/>

Tec Centro

Phone: (717) 397-6267

Email: info@sacapa.org

<https://sacapa.org/tec-centro/>

Thaddeus Stevens College of Technology

Phone: (717) 299-7772

<https://www.stevenscollege.edu/short-term-and-skill-up-fast-trainings/>

Key:

- High School Equivalency
- Internet Speed
- Driver's License
- Background Check
- ◆ NRS ESL 3+
- ▲ NRS ESL 4+
- NRS ESL 5+
- NRS ABE 2+
- NRS ABE 3+
- High School Diploma not required for training but may be required for employment

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