

## FACULTY QUALIFICATIONS FOR OCCUPATIONAL PROGRAMS

<i>Instructional Area:</i>	435 Pipefitting Apprenticeship
<i>Educational Requirements:</i>	Bachelor's degree in Career and Technical Education or a closely related field is required. Master's degree in Education is preferred. In evaluating candidates for this position, Nicolet may consider a combination of education, training, and experience that provides the necessary knowledge, skills, and abilities to perform the duties of the position.
<i>Occupational Requirements:</i>	Seven years (14,000 hours) of verified occupational work experience as a Pipefitting Apprentice and Journey Worker is required. Experience must be in Pipefitting or related occupations. Occupational experience must include one year (2,000 hours) within the past five years. Recent teaching experience in post-secondary higher education may be substituted for up to one year of the occupational experience requirement. Additional experience in construction industries outside the field of education preferred.
<i>Working titles which provide the occupational experience necessary to function as an instructor:</i>	<ul style="list-style-type: none"> <li>• Journey-level Pipefitter</li> <li>• Journey-level Steamfitter</li> </ul>
<i>Relevant job duties an individual should have performed:</i>	<ul style="list-style-type: none"> <li>• Layout, fabrication, and installation of piping components including layout with a square, templates, offset miters, bends, saddles, reducers, flanges, elbows, bolt holes, penetration and hangers.</li> <li>• Fabrication of pipe and tubing, fittings, templates, offsets with miters and fittings, bending pipe and tubing, fabrication of saddles, reducers, flanges, tees, laterals, "Y" fittings and elbows, hangers, stands and assembly from detail drawings.</li> <li>• Installation and maintenance of industrial piping systems such as: Process Piping, Process Steam, Steam Heating, Hot Water Heating, Refrigeration and Air Conditioning.</li> <li>• Installation, maintenance and troubleshooting of hydraulic and pneumatic systems.</li> <li>• Hazardous materials training.</li> </ul>
<i>Requirements from other governmental agencies, associations, or other significant groups:</i>	Requires an Apprenticeship Completion Certificate from the Wisconsin Bureau of Apprenticeship Standards (BAS) or a federally registered program or a signed letter from a representative of an appropriate Apprenticeship Advisory Committee.
<i>Other:</i>	Department of Workforce Development (DWD) 295.02(2)(b)6 states "... Apprenticeship instructors shall meet the educational and occupational requirements of the Wisconsin Technical College System Board, or be a subject matter expert, which is an individual, such as a Journey Worker, who is recognized within an industry as



	having expertise in a specific occupation; and have training in teaching techniques and adult learning styles, which may occur before or after the Apprenticeship instructor has started to provide the related technical instruction.”
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