



**FACULTY QUALIFICATIONS
FOR OCCUPATIONAL PROGRAMS**

<i>Instructional Area:</i>	447 Heavy Equipment Operator 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 Heavy Equipment Operator Apprentice and Journey Worker is required. Experience must be in Heavy Equipment 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"> • Journey-level Heavy Equipment Operator
<i>Relevant job duties an individual should have performed:</i>	<ul style="list-style-type: none"> • Use personal protective equipment, set up barricades and barriers, and use flags and paddles to control traffic. • Use the formulas and calculations used to determine the amounts of soil and other material to be removed from or added to a job-site excavation, focusing on volume and weight calculations. • Work involved in preparing a site for excavation and construction, along with introducing students to the various types of soils, their properties, and how these properties affect the heavy equipment operator. • Performed the pre-operational checks and operator maintenance tasks for heavy equipment. • Performed the basic concepts and procedures related to the use of heavy equipment by performing earthmoving work.
<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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