

## 2023 Fusion/Electrofusion of HDPE Water Piping Systems Class

### Northeast Wisconsin Technical College (NWTC) Contacts

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### Class Details

- Participants should bring proper PPE to include long sleeve shirts, pants, safety glasses, gloves, and closed-toe shoes, etc. There will be learning outside.
- School shuttle will pick-up the trainees from hotel at 7am
- Class start time of 7:30 am at NWTC in Green Bay, WI.

Schedule:	Monday, 10/9	Tuesday, 10/10	Wednesday, 10/11	Thursday, 10/12
Topic	<i>Electrofusion with Couplers</i>	<i>Electrofusion with Saddles</i>	<i>Manual Butt Fusion</i>	<i>Hydraulic Butt Fusion</i>
Lecture/Written	1 hr. / day			
Hands-On	6 hrs. / day			
Hands-On Assessment	1 hr. / day			
Totals: 32 hours	8 hrs. / day x 4 = 32 hours			

Learning Objectives	Written Test	Visual Test	Destructive Test	Tapping Practice
1. Demonstrate safety standards while operating tools in the water industry.	Embedded throughout the course			
2. Demonstrate Personal Protective Equipment	Embedded throughout the course			
3. Perform joining HDPE pipe with standard electrofusion using couplers.	X	X	X	X
4. Perform joining HDPE pipe with standard electrofusion using saddles.	X	X	X	X
5. Perform joining HDPE pipe using manual butt fusion.	X	X	X	X
6. Perform joining HDPE pipe using hydraulic butt fusion machine.	X	X	X	X
7. Explain MAB accepted standards and qualifications for water utility work.	Embedded throughout the course			

**Qualification Tests:** Upon successful completion of the required written, visual, and destructive testing, students will receive a Certificate of Competency Completion card from the college and a Qualification Card will be issued from the utility (owner) that has sponsored the class. The College will maintain transcripts for each student.