

ARKANSAS RURAL WATER ASSOCIATION  
BASIC MATH 8 HOUR COURSE

**Date:** July 18, 2023  
**Time:** 8:00 AM- 5:00 PM  
**Location:** American Legion Community Center  
110 North Mt. Olive St.  
Siloam Springs, AR. 72761

**Course Objectives:**

- Required course for individuals to have taken prior to taking Water Distribution or Treatment License examination effective January 1, 2003 if you do not presently hold an active water license.
- To educate and familiarize individuals with basic math formulas needed to operate your water system and to assist you in taking water examinations.

**Who Should Attend:** All individuals who are planning on taking a water examination for the first time must have attended this required course before sitting for a water certification examination. Also those wishing to refresh their mathematical skills.

ARWA WEB PAGE: [arkansasruralwater.org](http://arkansasruralwater.org)

E-Mail to: [arkrwa@arwa.net](mailto:arkrwa@arwa.net)

"This is an Equal Opportunity Program. Discrimination is prohibited by Federal Law. Complaints of discrimination should be sent to: USDA, Director, Office of Civil Rights, Washington, D.C. 20250-9410"

**Registration:**

**Individuals wishing to attend must pre-register with the ARWA office. This is needed to ensure adequate seating is available to meet the needs of the attendees.**

**Course Outline**

- A) Basic calculator operations
- B) Basic Arithmetic Practices
- C) Conversions and Formula Sheet Familiarization
- D) Basic Rules for Solving Equations
- E) Proper Identification of Basic Formulas
- F) Calculating with Decimals
- G) Converting Inches to Feet
- H) Rules for Rounding Numbers
- I) Working with Percentages and Averages
- J) Calculating Areas
- K) Calculating Volumes
- L) Calculating Velocities and Flow Rates
- M) Calculating Detention Time
- N) Calculating Chemical Dosages

**INDIVIDUALS WILL NEED TO BRING  
CALCULATORS, PENCILS AND PAPER.**

Credit: You must attend the entire 8-hour course to receive a Certificate for **BASIC WATER MATH.**

This course is approved for license renewal hours:

8 hours credit towards your Water License

8 hours direct credit towards your Wastewater License

Please call 501-676-2255 or e-mail to [arkrwa@arwa.net](mailto:arkrwa@arwa.net) if you will be attending this seminar.

**There will also be a PWS Compliance Course given by Arkansas Dept. of Health, July 19, 2023 at this location.  
Time 8:00 am – 5:00 pm.**