

**ARKANSAS RURAL WATER ASSOCIATION  
BASIC MATH 8 HOUR COURSE**

**Date: November 16, 2021**

**Time: 8:00 AM- 5:00 PM**

**Location: ARWA Training Center  
240 Dee Dee Lane  
Lonoke, AR. 72086**

**Course Objectives:**

- Required course for individuals to prior to taking a 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)

Are you an ARWA member? All of our regular training classes are free of charge to all ARWA members. Non-members will be charged \$99 a day for each person attending our training sessions effective January 1, 2015. These fees cover the cost of training materials provided in each class. You must pay the material fee or your membership renewal prior to the class you intend to take, or your training certificate will be withheld until your fee is paid. If you want to update your ARWA membership, you can print our membership form or enroll online. You can also call us directly at 501-676-2255.

"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 while following strict CDC guidelines. Seating is limited due to social distancing regulations.**

**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 attending **BASIC WATER MATH**.

This course is approved for license renewal hours:

8 hours direct 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 the Arkansas Dept. of Health, November 17<sup>th</sup> at this location.  
Time 8:00 am – 5:00 pm.**