

**EDUCATION:**

Tennessee Technological University, Cookeville, TN 38501  
August 1994: Doctor of Philosophy in Engineering  
June 1987: Master of Science in Civil Engineering  
June 1984: Bachelor of Science in Civil Engineering  
Cumberland University, Lebanon, TN 39707  
May 1991: Master of Arts in Education

**REGISTRATION:**

Professional Engineer, Tennessee No. 21186  
Teacher License, Tennessee No. 000169143

**WORK EXPERIENCE:**

August 1997 – Present **Engineering/Chemistry Teacher**, Beyond the Bell Site Coordinator  
Macon County High School, Principal: BJ West, Teach engineering, chemistry, and physics

July 2003 – May 2004 **Online-Instructor**, Tennessee Department of Education  
Supervisor: Mike Copas, Taught Advanced Placement Chemistry online

July 1996 – July 2008 **Engineer**, ERC Associates  
Partner: Mark C. Burr, P.E., Worked part-time on leachate treatment, water system modeling, watershed management/wellhead protection, groundwater cleanup

August 1994 – July 1996 **Assistant Professor**, Tennessee Technological University  
Supervisor: William Paul Bonner, PhD, Taught CEE classes, continued research on TVA reservoirs

August 1991 – August 1994 **Research Associate**, Tennessee Technological University  
Major Professor: John A. Gordon, PhD, P.E. Research on non-point source pollution entering eight TVA reservoirs

May 1989 – July 1992 **Hydraulic Engineer**, U.S. Army Corps of Engineers  
Supervisor: James Upchurch, P.E., Monitor and route the Cumberland River, develop HEC models for the Cumberland River

July 1988 – May 1989 **Cost Engineer**, U.S. Army Corps of Engineers  
Supervisor: Phil Mitchell, P.E., Estimated costs for Corps projects

July 1987 – July 1988 **Junior Design Engineer**, J.R. Wauford and Company  
Supervisor: J. Roy Wauford, Jr., P.E., Design and develop operating plans for water and wastewater treatment